



GARAGE BAND BATTLE P.67

Show us your talent and win a boatload of pro audio gear.



APPLECARE: WORTH THE \$\$\$? P.12

We reveal who needs Apple's extended warranty—and who doesn't.

95

**JUL
2004**

MacAddict

A BETTER MACHINE. A BETTER MAGAZINE.

DREAM MACHINES!

**We Show You the
Best Mac Set-Ups
Money Can Buy!**

**TIPS &
TRICKS!**

MICROSOFT OFFICE

2004

REVIEWED!

- ← **Nikon D70 Digital SLR camera**
- **FileMaker Pro 7 database software**
- **Command & Conquer: Generals**
- **EyeTV 200 DV recorder**

...AND MANY MORE.



HOW TO:

- **Edit Like a Pro in Final Cut**
- **Chat Using IRC**
- **Turn Your Mac into
a Karaoke Machine**



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"The biggest advance in computing in recent years."

— **Peter Lewis**, *Fortune*

"One thing that's for sure is that the G5 is the biggest advance in computing in recent years, and not just because it is the first personal computer to use a 64-bit desktop processor."

— **Peter Lewis**, *Fortune*, 10/27/03

"To say that the latest and greatest G5 screams does a disservice to the word. I can say flatly that if you have been waiting for the G5 to update your aging Power Macs, you need wait no longer. It will chew through any processor-intensive task you throw its way."

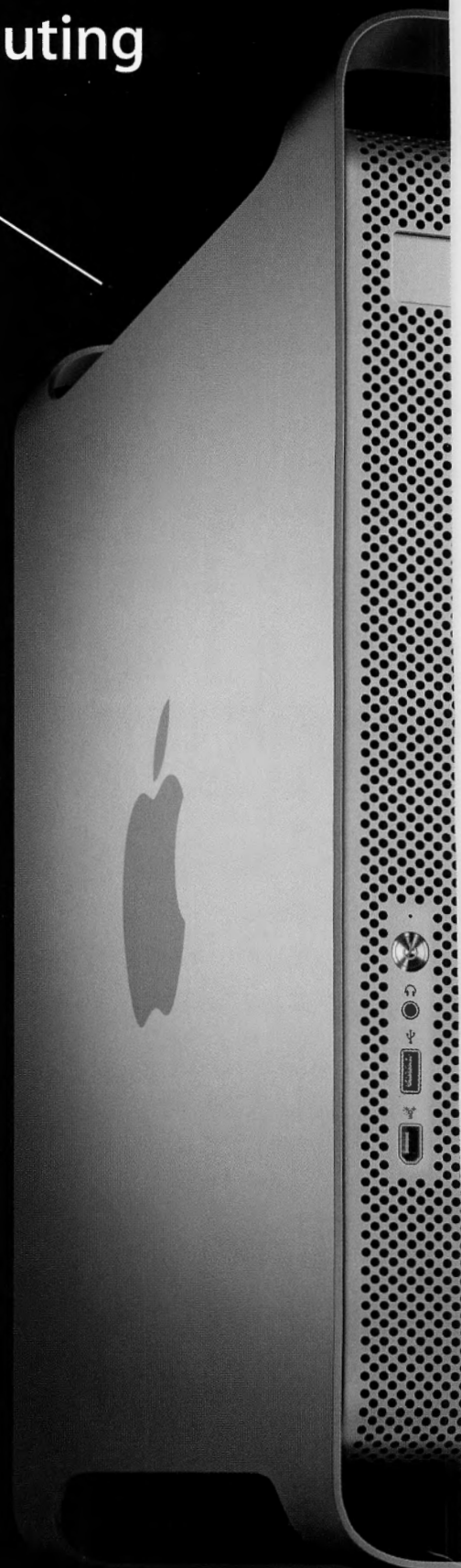
— **Ken Mingis**, *Computerworld*

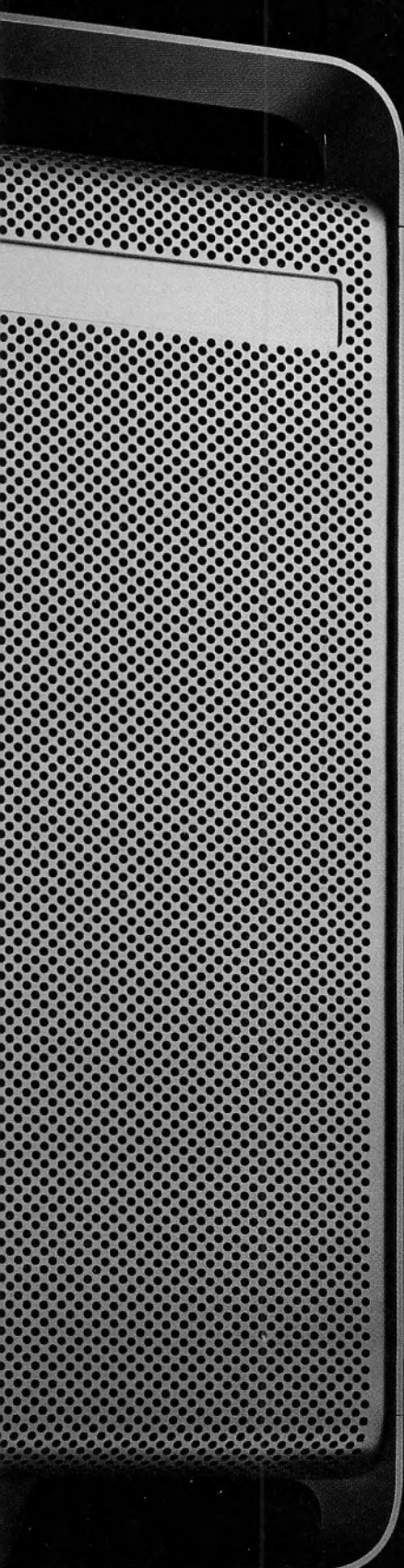
"After two weeks with a dual processor 2GHz Power Mac G5, it's the fastest Mac I've ever used in my entire life, and not by a small margin, either. I'd call it wicked fast, but that wouldn't even come close to doing it justice. It was astonishing."

— **Bob Levitus**, in the *Houston Chronicle*

"The Power Mac G5 shatters the long-standing limits of expectation imposed by Intel and Microsoft."

— **Tom Yager**, *InfoWorld*





"With the Power Mac G5, the increase in speed is three-fold over the old machine. Especially in my line of work, this means more rendered scenes in the same amount of time, more freedom to try different versions, or simply a chance to go home before midnight."

— **Thomas Tannenberger**, Look Effects

"I wasn't prepared for the truly overwhelming performance of my new dual 2 GHz G5. The combo of this amazing hardware and OS 10.3 [Panther] adds up to a work platform that is not only astounding in its power but also in the joy that it brings to the user—just for the quality of work life that it offers those of us who spend hours and hours in front of our machines."

— **Pat Metheny**, Musician

"It is a leap of not only faith, but over tall buildings in a single bound. The G5 is so revolutionary, it almost cannot be thought of as simply a better Macintosh, or as a trump card over the hand dealt to us by the Wintel world. This changes everything; the Power Mac G5 is really in a class by itself."

— **George Tomlin**, Digital Output

"Having Apple Computer's new Power Mac G5 around the office is like having a superhero assistant. If you've got lots of graphics or video heavy-lifting to do all at once, it's amazing."

— **Jon Fortt**, San Jose Mercury News





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Drew Sanocki, EDGE*MODERN, Co-founder.

gulfstream.com



"With Dreamweaver, we'll be able to take even greater advantage of CSS, which will add huge efficiencies to how we develop and maintain our website."

Will Dent, Gulfstream Aerospace,
Interactive Marketing.



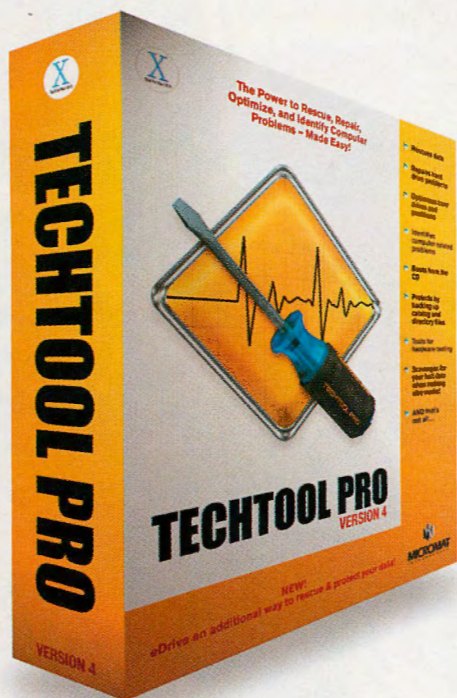
Dreamweaver. The highest common denominator.

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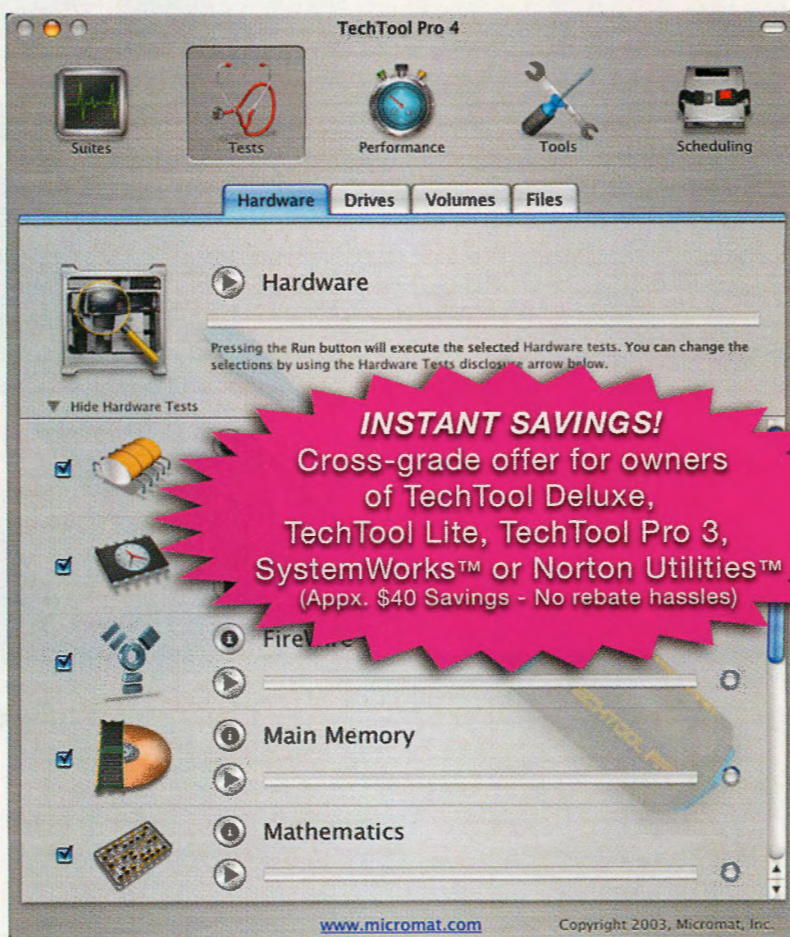
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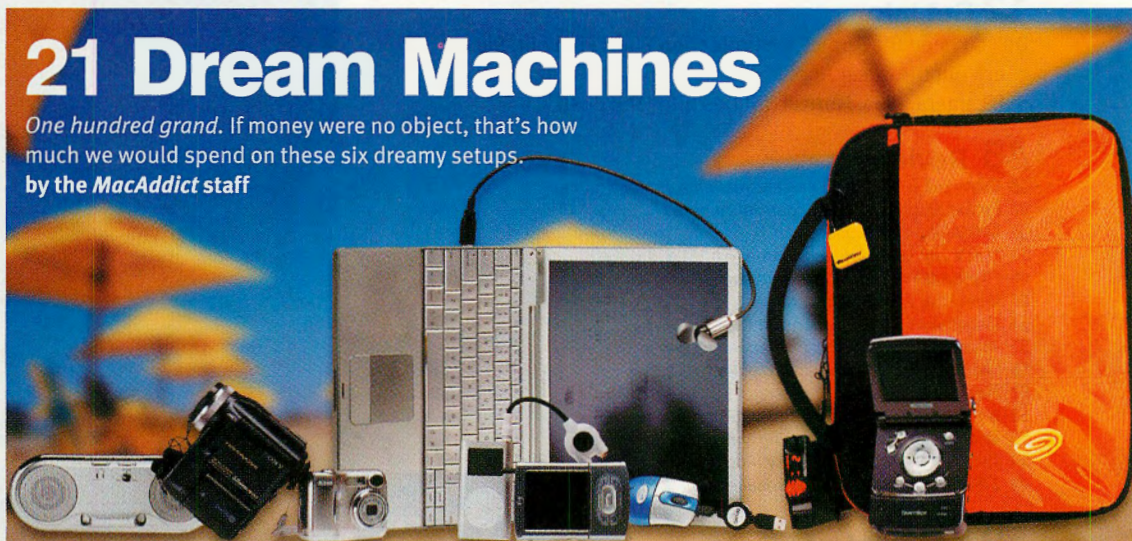
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features

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One hundred grand. If money were no object, that's how much we would spend on these six dreamy setups.
by the MacAddict staff



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Microsoft Office 2004 is here, and we show you how to use its new powerhouse features.
by the MacAddict staff



how to

62 Ask Us

Customize the your Mac's boot panel, eliminate font overloads, find that hidden game of Tetris, and discover Photoshop's dark side. Plus, what the heck are curly quotes?



64 Edit Like a Pro in Final Cut

You don't have to spend hours fine-tuning your movie edits to craft a perfect masterpiece in Final Cut—Pro or Express. Our swift tricks will save you loads of time. **by Helmut Kobler**

68 Chat with Others Using IRC

Unless you've got iChat buddies who never sleep, who's going to put a 🍌 on your face when you need to vent at 3 a.m.? Make new friends on IRC.
by Richard Cobbett

70 Turn Your Mac into a Karaoke Machine

If you like to sing but hate the karaoke bar scene, you can belt out tunes in the privacy of your own abode.
by Kris Fong



COVER ART BY OLIVER WOLFSON

every month

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The world is filled with great Mac products—but we limited ourselves to a mere \$100,000 worth.

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We'd spend our own hard-earned money on these products.

67 Battle of the Garage Bands

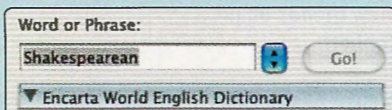
Here's your chance to display your musical chops—using GarageBand, guitar, keyboard, synth software, sackbut, whatever—and win a studio-full of serious audio gear.

QUICK TIPS FROM THIS MONTH'S ISSUE

➔ LOOK IT UP

Word 2004 has a palette that features reference tools. Click the books icon in the toolbox to access a dictionary, thesaurus, and encyclopedia.

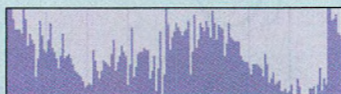
From "Office Power," p36.



➔ FIND PHOTOSHOP'S DARK SIDE

Launch Photoshop and check out the About screen's evil twin. Hold down the Command key when selecting Photoshop > About Photoshop.

From *Ask Us*, p62.



➔ BE WICKED

Invite someone you loathe to your Mac-powered karaoke party, surreptitiously click the record button when that person sings, and save the moment for blackmailing posterity.

From "Turn Your Mac into a Karaoke Machine," p70.

➔ STAY SAFE

In Entourage 2004, you can now back up all your precious email, contact data, and more by creating an Entourage archive. Just go to File > Export and follow a few simple directions in the Export wizard. From "Office Power," p36.



94 Log Out

94 Letters

Reviews Editor Niko doubles as U2's Bono. The 12-inch PowerBook is a hit in Thailand. And a now reader laid-off from work makes good use of our April Fools' pranks.

95 Contest

Win Canon's EOS Digital Rebel camera.

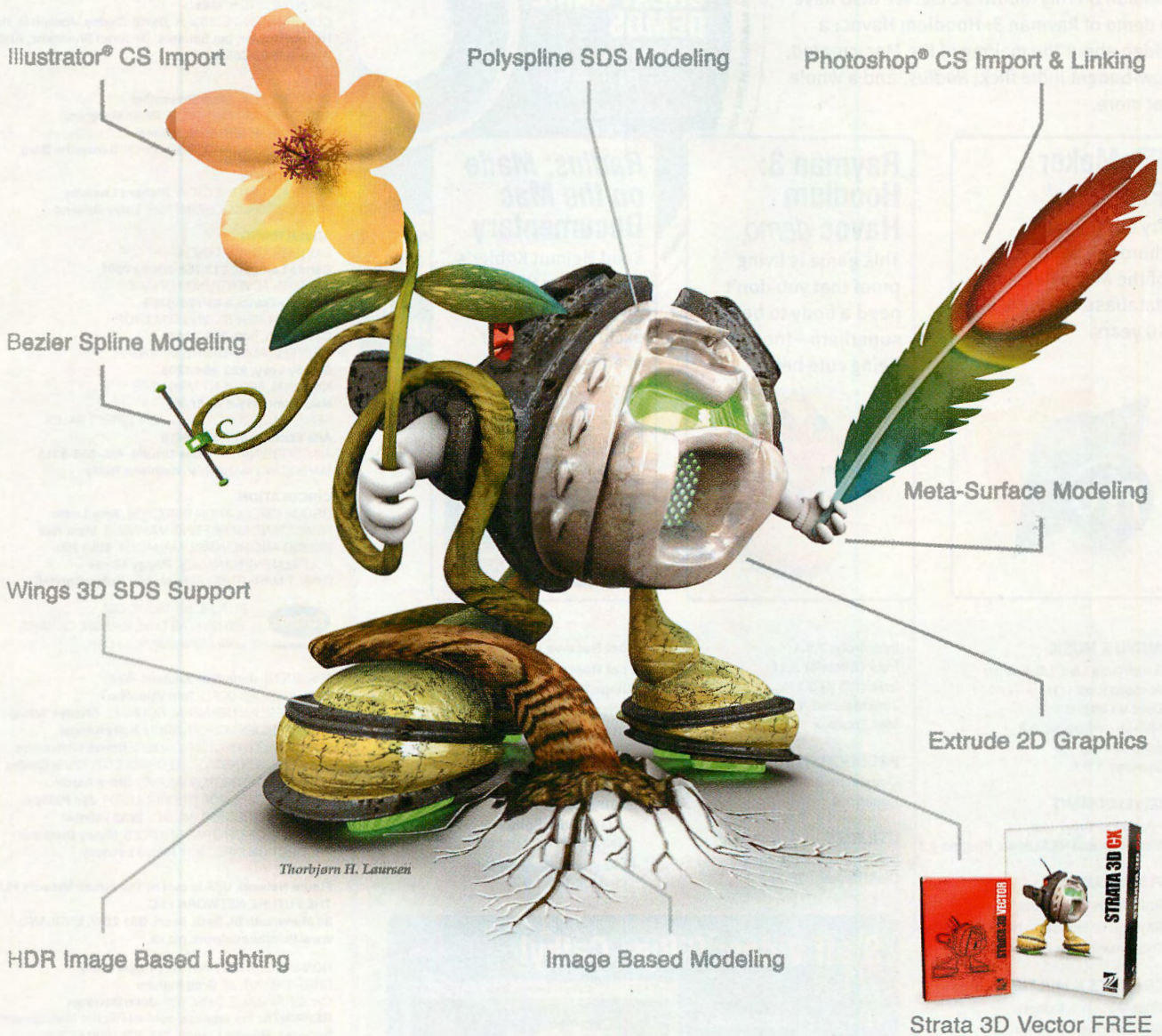
96 Shut Down

The *dream* in Dream Machine is in the eye of the beholder. Check out one man's sub-\$100 Mac haven.



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the disc

The release of a completely overhauled FileMaker Pro is huge news for data wranglers—and we've got the full trial version on this month's Disc. We also have a demo of Rayman 3: Hoodlum Havoc; a video about the making of the Mac-created, low-budget indie flick, *Radius*; and a whole lot more.

FileMaker Pro 7 trial

Try out the most thorough overhaul of the Mac's flagship database software in 10 years.



Rayman 3: Hoodlum Havoc demo

This game is living proof that you don't need a body to be a superhero—though being cute helps.



Radius: Made on the Mac Documentary

Read Helmut Kobler's film-editing tips on p64, then watch this exclusive video for even more.



AUDIO & MUSIC

AmpliTube Live 1.0.1 demo
AudioExtract 1.1
Dent du Midi 0.9
Midi Grasshopper 3.8
Soundflower 1.0
Synergy 1.0b

DEVELOPMENT

FileMaker Pro 7 trial
Monkeybread REALbasic Plugins 4.1

FUN & GAMES

Rally Shift 1.1.1 demo
Rayman 3: Hoodlum Havoc demo
Total Immersion Racing demo

GRAPHICS & MULTIMEDIA

iStopMotion 1.3 demo
Studio Artist 3.0 demo
SWF 'n Slide 1.012
Text-Osterone 1.006

INTERFACE

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CharView 3.0.4
Holding Pattern 1.0

INTERNET & COMMUNICATION

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Interarchy 7.1.1
Ircle (Classic) 3.11
Ircle (OS X) 3.1
JunkMatcher 1.14
Mail Toolbox 1.1

PRODUCTIVITY

CopyWrite 2.0.5
iTasks 1.4

UTILITIES

DiskTracker (Classic) 2.3
DiskTracker (OS X) 2.3

Font Reserve (OS 9) 3.1.3 trial
Font Reserve (OS X) 3.1.3 trial
Snapz Pro X 2.0
Suitcase X1 trial
Sure Type 2.0
Trapeze 1.0.2
Xupport 2.0

SPONSORS

CodeBlender Software:
Rally Shift 1.1.1 demo
IK Multimedia: AmpliTube
Live 1.0.1 demo

Staff Video: G'Bye, Cathy!

For four years, the talents of MacAddict Executive Editor Cathy Lu have graced our pages—and now she's gone. Can we cope? Not well, it seems...



UPGRADE

If you don't receive the Disc with your copy of MacAddict, you might want to consider upgrading. Each monthly disc contains cool demos, useful shareware and freeware, and the inimitable MacAddict Staff Video. To get 12 issues of MacAddict that include this value-packed disc with your subscription (prorated if necessary) for just \$1 more per issue, call 888-771-6222—the operator will take care of everything.

95 MacAddict

FileMaker Pro 7 trial

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MacAddict

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\$100,000 Worth of Dreams



In *History of the World—Part I*, Mel Brooks declares, “It’s good to be the king!” While we here at *MacAddict* could never be accused of being regal, each of us can confidently proclaim that “It’s good to be an editor!” After all, how else could we get our hands on over a hundred thousand bucks of top-notch Mac swag?

In this month’s cover feature, “Dream Machines” (p21), you can feast your covetous eyes on six sets

of the best Mac products money can buy. Each set-up was assembled by a *MacAddict* editor with special expertise in that area, from audio/video connoisseur Kris’s Home Entertainment Mac to oh-so-stylin’ Narasu’s Fashion-Forward Mac.

Our mission was clear: to present to you the coolest, fastest, most-powerful, and all-around got-to-have-it-est goodies in the Mac universe. Our extensive research proved what we knew all along—that there are thousands of talented people out there creating hundreds of killer products, each designed to help you get the most out of your Mac. It wasn’t easy narrowing down the list to the 135 exemplary items that grace the pages of this issue—there are many more fine products that narrowly missed

the cut—but we’re certain that each of the products we feature deserves your consideration the next time you have some

It’s good to be an editor!

Mac money burning a hole in your pocket.

Over the past few weeks, work at the MacAddict Inter-Galactic Nerve Center has repeatedly ground to a halt as all of us stopped to gawk at yet another piece of exceptional hardware when our overworked mailroom manager delivered it (note to self: buy Josh a bottle of thank-you Scotch). We’ve been up to our ears in cardboard and packing peanuts, tripping over cartons and cases, and dreading the day when we have to return all of this exceptional gear. We’ve had a great time assembling our Dream Machines; we hope you enjoy reading about them.

In other news: Since our March 2000 issue, Cathy Lu has poured her considerable talents into each and every *MacAddict* feature story—but now she’s moving on. It seems that her husband has been lured away by the game division of some li’l ol’ company in Redmond, Washington, and Cathy has chosen not to divorce him and to join him up north (and, hopefully, keep him from being drawn too far into the Dark Side). Beginning with our August issue, our feature stories will be in the capable hands of John Poultnery—a name you may recognize if you’ve been a reader of *MacWeek* or *MacHome*. G’bye Cathy—hello, John.

Enjoy,

R.k

coming soon: august 2004

Here’s what our editors are preparing for the next issue of *MacAddict*.

What do you do when a good Mac goes bad? Read next month’s cover story, “50 Mac Bugs and How to Kill Them.” We’ll also provide you with a round-up of **all the top digital video camcorders**, bring you an in-depth guide on **how to share apps and files among multiple users** on one Mac, show you **how to import DVD clips** into your own home video projects, and teach you **how to iChat or text message anyone on a cell phone** from your Mac. We’ll review and rate **Microsoft Office 2004** and the new **Xserve Dual G5**, and show you how **DJ Sasha** uses Macs in his studio, and **.Mac and iCal** to organize his iLife.

STAFF RANTS

Q. What would you do with \$100,000?



Cathy Lu THE GOODBYE GIRL

What would you do with \$100,000?

I would buy an olive farm in Tuscany and try to whisk my husband as far away from Redmond as possible.



Niko Coucouvanis INTERN WANNABE

What would you do with \$100,000?

If I had 100 large, I’d resign and become the next *MacAddict* intern. Those guys get all the chicks and none of the responsibilities. Or I’d use it—well, maybe some of it—to bribe Cathy into staying.



Jenifer Morgan

PRODUCER AND BAKER AND SMALL-ANIMAL MAKER

What would you do with \$100,000?

I’d produce and star in my own Bollywood film. I’d also like to eat a lot of cake batter and carve small-animal figurines out of soapstone.



Noah Tsutsui SPLURGING STUDENT

What would you do with \$100,000?

I would quickly and carelessly drop out of school and vacation in Tokyo. First I’d hit Akihabara, then Shibuya, then Shinjuku. Gotta love the nightlife in Kabuki-Chō!



Narasu Rebbapragada MS. SPENDS-A-LOT

What would you do with \$100,000?

I’d build the sickest home theater with sound-proof walls, voice-activated remote, a full-wall plasma screen, Internet-connected everything (including fridge), and an indoor swimming pool with underwater surround sound. Wait—is \$100,000 going to be enough?



Peter Marshutz SPENDTHRIFT

What would you do with \$100,000?

I would probably spend about \$10,000 on a wild, self-indulgent shopping binge and park the rest in the bank—to save for my next wild, self-indulgent shopping binge.



Kris Fong FAN DEPRECIATION FIGHTER

What would you do with \$100,000?

Upgrade my music studio, buy my dream PRS Dragon guitar, and use the rest to start up a Build-a-Better-Bulpen charity for the San Francisco Giants.



Mark Rosenthal ELEMOSYNARIST

What would you do with \$100,000?

Save the whales, save the baby seals, save the spotted owl, save the gray wolf, save the California condor, save the Bengal tiger, save the Pixy Stix, save the day, and help Kris save the Giants by saving a game in the bottom of the ninth.



Max ACQUISITIONIST

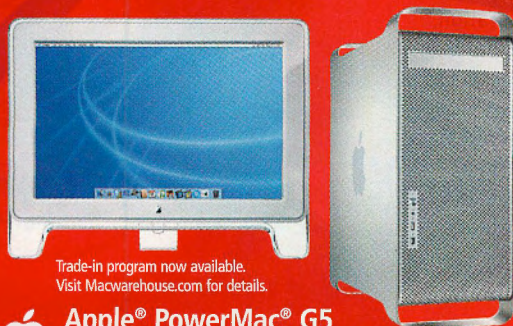
What would you do with \$100,000?

Easy—just check out p21 to p35 in this month’s issue. I might, however, skip that jewel-encrusted fuchsia iBook on p26, and spend the \$2,000 on 4GB of PC3200 DDR400 SDRAM for my G5 dualie.

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APPLECARE: WORTH THE COST?

The Three-Year Protection Plan Covers More Than You Think

Close to three years after Carlton Wiens bought his iMac DV Special Edition, its hard drive fatally crashed. About 18 months after Marcia Geiger purchased her Blue-an-White Power Mac G3 with a 17-inch Studio Display, the display popped loudly and its desktop shrank to about half its normal size. Their standard one-year warranties on Apple hardware had long since expired, so what did these troubled Mac users do?

They invoked the magic of the AppleCare Protection Plan, a three-year extended warranty that completely covered their repairs. "I've had four Macs over the last 15 years. I would never buy one without AppleCare," says Wiens, who estimated his iMac DV repair cost at \$375.

Big electronics retailers have trained customers to equate extended warranties with useless coverage pimped out by aggressive sales people. Even online Apple Store employees can get commissions for selling extended warranty coverage over the phone, and CompUSA sales associates will likely mention the AppleCare Protection Plan two, three, or four times. Unlike the optional warranty on your clock radio, however, this plan is worth buying—usually. Here's why.

WHAT IS APPLECARE?

All Mac hardware comes with a one-year standard warranty. Apple repair centers will tell you, however, that many costly repairs come their way after that year is up. That's where the AppleCare Protection Plan comes in, lengthening that same warranty coverage for an additional two years.

You must purchase the AppleCare

Protection Plan within your first year of regular warranty coverage. iMac and eMac coverage costs \$169. iBook and Power Mac coverage costs \$249, and PowerBook coverage costs \$349. The warranty covers your Mac plus an AirPort card, an AirPort Base Station, and additional Apple RAM. Power Mac and PowerBook owners can, at no extra charge, cover up to one Apple display purchased along with the covered Mac. iPod users can pay \$59 for a three-year warranty on iPod hardware and accessories, and—most important—the battery.

The biggest
reason for
AppleCare?
Peace of
mind.

WHAT APPLECARE COVERS

You pro users may scoff at AppleCare, smug in the knowledge that you know how to replace hard drives, RAM, and optical drives. But what about components such as displays, hinges, and latches? Even if you're adept at replacing them, where are you going to get them? AppleCare covers the high cost of replacement parts, some of which (like displays) cost more than the price of the warranty. "There isn't an inexpensive way around part replacement," says one Apple authorized service person who declined



to identify himself. "Basically you're getting AppleCare for part replacement."

One underutilized aspect of the AppleCare Protection Plan is free phone support that covers questions on the Mac OS and Apple consumer applications licensed within the past two years (no Mac OS 9 questions—it's officially out-of-date). All new Mac owners get three months of free phone support, but after that you have to pay \$49 per call. Ouch. Only AppleCare Protection Plan customers get free phone support—not just limited to troubleshooting—for the entire three years. Can't figure out iMovie sound effects? Call tech support. Want to iSync better? Call tech support. Having trouble sharing iPhoto albums? You get the idea.

WHAT APPLE CARE DOESN'T COVER

If you're covered by AppleCare, you can call tech support for almost any Apple-software problem, but you can't bring your Mac into a non-Apple service center for a software-related issue even if that service center is Apple-authorized. "If warranty owners load some software and it messes with the OS, some users think, 'Oh I have a problem. Now and I can use my AppleCare,' but it doesn't work that way," says another unidentified service person. Since service providers can't bill Apple for fixing software issues under the terms of the AppleCare Protection Plan, they have to either send you away or charge you for the work.

The gray area in this scenario is the Apple Store Genius Bar. Technically, anyone can bring their Mac to a Genius Bar whether it's covered by AppleCare

or not. However, when we asked Apple whether AppleCare Protection Plan owners could go to a Genius Bar to circumvent the non-Apple service-center issue, they declined to give us a definitive answer. For more on how to get better help at the Genius Bar, see "Pro Care," below.

Laptop owners should also be aware of a few gaps in coverage; the most important one concerns the battery. While an Apple telephone salesperson told us that PowerBook batteries performing at less than 50-percent capacity could be replaced under the warranty, the third-party Apple-authorized repair centers we polled told us otherwise. One repair center also told us that case parts—such as case latches and battery latches—were not covered by warranty.

WHO SHOULD GET APPLE CARE?

iMacs, due to their design, contain the most proprietary parts and the least do-it-yourself repair options—if you own one, we recommend that you opt for the AppleCare Protection Plan. Even if you're handy with a screwdriver, are you really going to replace the LCD display should it go black? Could you do it for less than the \$169 price of the warranty? Nope. If you're a 'Book user who travels a lot, consider the warranty investment for the global repair coverage alone. Another enticement: Extended warranty coverage is transferable to a new owner, in case you sell your Mac.

The biggest reason to get AppleCare is peace of mind. We all like tinkering with our Macs on our own schedules, but when a serious malfunction occurs, it's good to have the help.

—Narasu Rebbapragada

PRO CARE

The AppleCare Protection Plan gets you zip, zilch, and squat at Apple's retail stores—so don't just smugly cut in line at the Genius Bar unless you want to get smacked around. If you want better service than the common rabble at retail stores, buy a \$99 Pro Care card and get one-day turnaround on in-store repairs. With this card, you can also reserve a Genius up to seven days in advance, attend free workshops, and get discounts on selected products.

NEW MAC HARDWARE

Apple Revs 'Books and eMacs

In April, Apple (www.apple.com) announced immediate availability of upgraded PowerBooks, iBooks, and eMacs.

FASTER POWERBOOKS

The new 15-inch and 17-inch PowerBooks now run as fast as 1.5GHz, paint their displays using an ATI Mobility Radeon 9700 graphics chip set with up to 128MB of VRAM, and pack up to 2GB of DDR SDRAM. The 12-incher received a speed boost to 1.33GHz, an



PowerBooks get RAM, graphics, and processor boosts.

upgraded GeForce FX Go5200 chip set with 64MB of VRAM, a larger 60GB hard disk, and an expanded 1.25GB RAM capacity. AirPort Extreme and Bluetooth now come standard on all PowerBooks—finally.

ATTRACTIVE iBOOKS

New iBooks max out at 1.2GHz, a mere 130MHz shy of the new 12-inch PowerBook. iBooks are expandable to 1.25GB of RAM, and for the first time (for an extra \$200), you can equip a 14-inch iBook with a SuperDrive. The 12-inch iBook still can't connect to a DVI LCD display—that's PowerBook territory. PowerBooks also sport faster graphics chip sets.



SUB-\$1,000 eMACS

Apple pumped up the processor speed to 1.25GHz and dropped the price on the all-in-one eMac with a 17-inch flat-screen CRT. The big news is that the eMac with a SuperDrive now retails for under \$1,000—well, by a buck.



A 1.25GHz eMac with SuperDrive sells for \$999.

PHOTOGRAPHY COURTESY OF APPLE

DROOLWORTHY

Sexy Stuff We Can't Wait to Get Our Mitts On

Kodak Camera for Nikon and Canon Lenses →

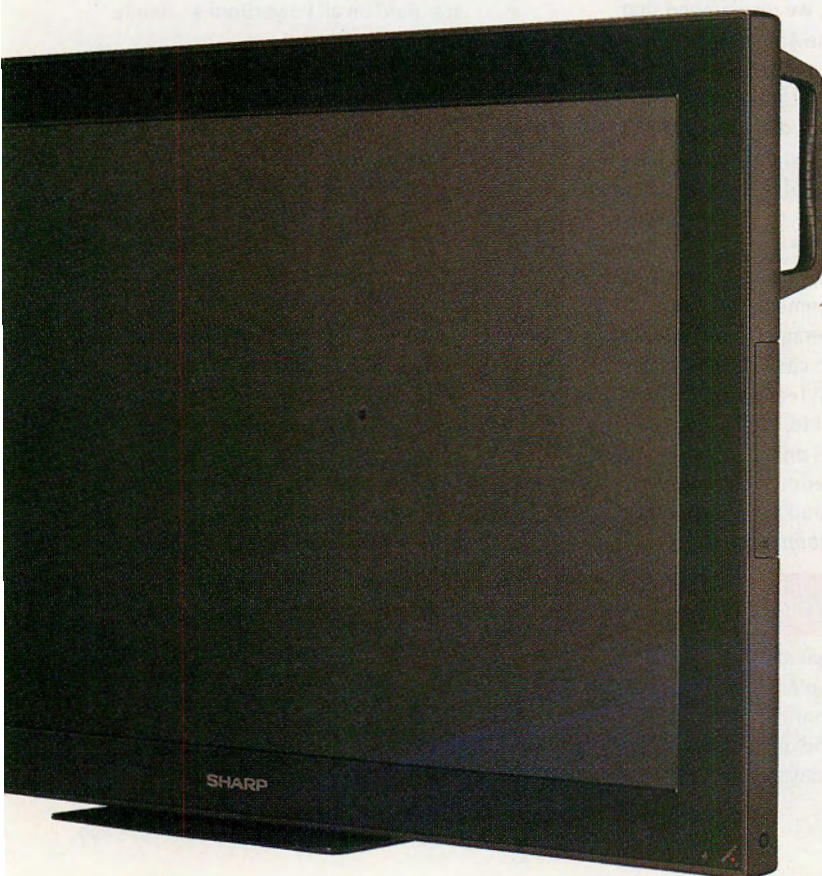
Nodding to the popularity of Nikon and Canon professional camera lenses, Kodak has retooled versions of its Professional DCS Pro (\$4,995, www.kodak.com), a digital alternative to medium-format film cameras, to fit standard Nikon F and Canon EOS lens mounts. Both the **Professional DCS Pro SLR/c** (shown, for Canon) and **Professional DCS Pro SLR/n** (for Nikon) cameras offer 14-megapixel resolution; a 12-bit, 35-millimeter-size CMOS sensor; and a FireWire port. Both variants should be available by the time you read this.—NR



PHOTOGRAPH COURTESY OF KODAK

← 37-inch LCD

Thirty-seven is such an awkward number—unless it's the size of the screen on your **Sharp LC-M3700** (\$7,995, www.sharppusa.com). With a high 800:1 contrast ratio, 430 cd/m² brightness, 16:9 aspect ratio for wide-screen viewing, and a slew of ports (composite, component, S-Video, VGA, and DVI), the anything-but-euphoniously named LC-M3700 is ready for hookup to your Mac or TV.—NR



PHOTOGRAPH COURTESY OF SHARP

PROFESSIONAL RESULTS DEPEND ON PROFESSIONAL TOOLS.

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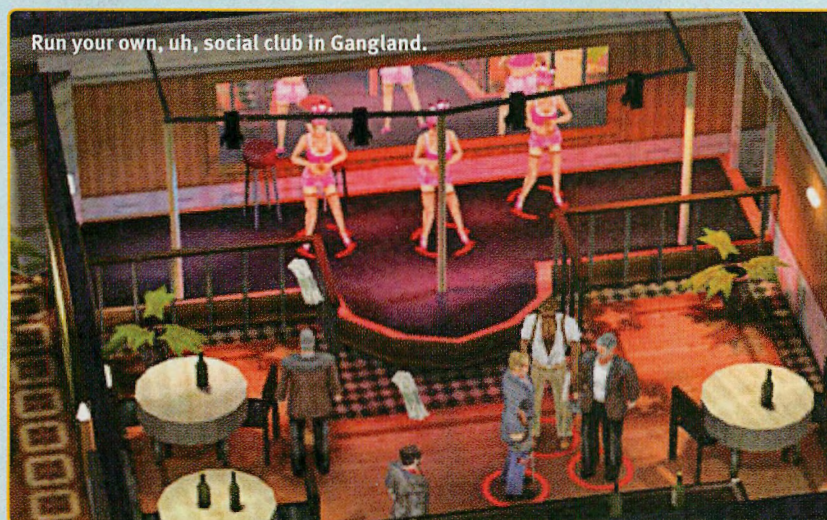
Fire authentic WWII weapons in Battlefield 1942.

LEAP INTO WWII ACTION

Battlefield 1942: Deluxe Edition brings you to the heart of World War II. Play 16 famous battle sites, including Omaha Beach and Stalingrad, from the four main theaters of World War II. Drive or fly more than 35 authentic Axis and Allied vehicles, and select from five character classes: assault, medic, scout, antitank, or engineer. The included Road to Rome expansion pack focuses on Italian and Sicilian campaigns. The online multiplayer game supports up to 64 players in a single game.—*Matt Osborn*

Battlefield 1942: Deluxe Edition

Price \$49.99
Available June 2004
Aspyr Media
www.aspyr.com



Run your own, uh, social club in Gangland.

INDULGE YOUR VIRTUAL PUNK

With fast-paced action that combines real-time strategy, role-playing, and sim styles of play, Gangland puts you in the role of a street rat working your way up the organized-crime ladder. Your larcenous activities involve theft, murder, drive-by shootings, and brothels. Get engrossed in a nonlinear storyline that requires you to complete 26 quests with the goal of building an empire of illegal activities. Compete online with up to 8 players, each of which can control up to 50 characters.—*MO*

Gangland

Price \$53.55
Available June 2004
Virtual Programming
www.vpltd.com

BUH-BYE, NORTON

Another disc utility bites the dust. Symantec has decided to discontinue development of Norton Utilities and Norton SystemWorks for Mac. Symantec will, however, continue to develop these products' PC counterparts, along with Macintosh security products such as Norton AntiVirus.

SHAREWARE PICK OF THE MONTH

Synergy

<http://synergy.wincen.com> €5 (about \$6)

Wincent Colaiuta's Synergy puts an iTunes controller in your Mac's menubar and provides hot keys for common actions such as play/pause, next track, and volume that work even while you're active in other apps. A semitransparent floating window that displays a song's name, artist, rating, and album art appears when the song starts—just like you see on all those music-video channels. Synergy's drop-down menubar menu also lets you change Playlists or select a previously played track.

—*Andrew Tokuda*



By displaying album art, Synergy tells you who's behind that beautiful voice singing in iTunes.

IN STORES NOW! - ORDER NOW AT WWW.ASPYR.COM

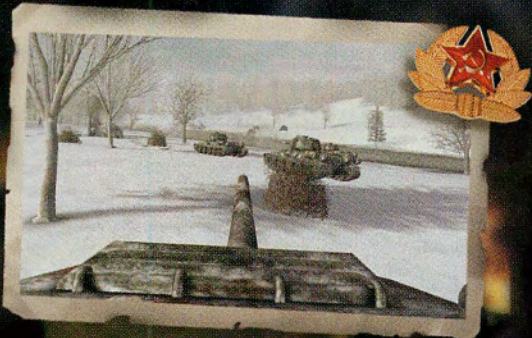
CALL OF DUTY



Together with your squad, take on enemy forces through a variety of authentic combat missions.

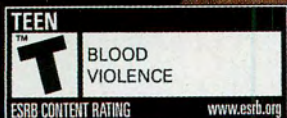


Play through 24 epic single-player missions on four interconnected campaigns, or go online for Axis versus Allies team-based multiplayer action.



Intense battlefield moments put you in the heat of the action, capturing the chaos of battle like never before.

IN THE WAR THAT
CHANGED THE WORLD,
NO ONE FOUGHT ALONE.



ASPYR



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PIXELS

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OPTICAL ZOOM

PowerShot Pro1
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Fluorite Crystal



Vari-Angle
LCD Monitor



DIGIC
Image Processor

L

THE POWER OF L LENS

No matter how good a photographer you may be, the PowerShot Pro1 makes you better.

Every time you use it.

That's because it's the first PowerShot digital camera to use Canon's fluorite L Lens technology – renowned by professional photographers for its ability to heighten image sharpness and reduce color distortion. Combine that with 8 Megapixels, and there's no limit to the photographer you can become.

The Pro1 also features 7x Optical Zoom and our now-famous DIGIC Image Processor for more vibrant colors, better white balance, and sharper focus.

With such professional-looking pictures, you may even want to consider charging a big fat day rate.

For more information, visit an authorized Canon dealer, or log onto powershot.com



28-200mm* L-Series
Zoom Lens

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Leave No Man Behind

A 1992 humanitarian mission became a military operation against oppressive warlord Mohamed Farrah Aidid in 1993. Army Rangers, Marines, Night Stalkers, Navy Seals and Delta Force ultimately brought him down. In Delta Force Black Hawk Down, experience 10 extraordinary months in Somalia as a member of the U.S. Special Operations Forces.



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dream machines

**MONEY CAN BUY
HAPPINESS—
IN THE FORM OF
A WHOLE LOT OF
MAC SWAG.**

BY THE *MacAddict* STAFF

In the film *Wall Street*, Michael Douglas declared, “Greed is good.” We don’t necessarily agree—except when pulling together the most powerful Mac systems money can buy. So get ready to see what \$102,902.49 can buy you in six ultimate Mac setups selected by the editors of *MacAddict*.



PHOTOGRAPHY BY SAMANTHA BERG; ILLUSTRATION BY OLIVER WOLFSON

Whether you're planning a family road trip to the Grand Canyon, Brady-Bunch style, or a romantic getaway for two to Maui, don't leave home without your Mac and this gaggle of hardware and software that'll keep you connected to the real world.—CL



1 Sony SRS-T88 speakers, \$89.99

These 4-watt portable speakers let you broadcast your music to other beachgoers—whether they like it or not is another matter.

2 Sony DCR-PC330 MiniDV Handycam, \$1,699.99

If you want to shoot moving pictures, this camcorder does it all; plus, it features 3.3-megapixel still-image-capturing abilities.

3 Nikon CoolPix 3200, \$279.95

This 3.2-megapixel cutie will beautifully capture all of your vacation moments.

4 Apple 12-inch PowerBook G4, \$1,799

Your SuperDrive-equipped PowerBook will keep you company when your spouse has had one Mai Tai too many.

iSkin ProTouchPB, \$19.99

Sand in the keyboard is not cool. Keep your PowerBook's keys protected.

5 Apple iPod mini, \$249

Road trips, plane flights, train rides through the Chunnel—where won't you use your iPod mini?

Handmark Tetris Classic Game Pak for Palm, \$29.99

Distract your antsy kids in the backseat with Tetris, checkers, and other classic games.

6 Monster iSplitter, \$9.95

Now two people can listen to one iPod mini on the plane.

Belkin TuneCast II, \$49.99

This FM transmitter lets you listen to iPod mini tunes in your car so you don't get stuck listening to country when driving through Nebraska.

7 Palm Tungsten T3, \$399

This PDA has a beautiful 320 by 480 color screen—great for in-car gaming.



6 Kensington FlyFan, \$9.99 (ESP)

Keep cool on the beach with this USB fan. UV protection not provided.

9 Zip-Linq Road Warrior Kit, \$59.99

This kit includes a mouse and USB light, plus retractable USB (male-to-female), phone/modem, and Ethernet cables.

10 Valentine One Radar Locator, \$399

Keep the gendarmes at bay while speeding through the Loire Valley.

11 SmartDisk FlashTrax, \$699.99

When you make it to the top of Pike's Peak, transfer your pix to this 80GB photo viewer and check them out on the 3.5-inch color LCD.

12 Timbuk2 Laptop Tote, \$80

It's festive, well padded, and big enough for your books—both your PowerBook and that trashy novel.

13 RoadWired KeyCard Travelock Security Kit, \$15.95

Keycards unlock this simple lock, which includes a laptop attachment for your 'Book's security slot.

Cheap Outs

Olympus D-395, \$149 (ESP)

There's no optical zoom, but the price is right for this 3.2-megapixel camera.

Palm Zire 72, \$299

A PDA with a 1.2-megapixel built-in digital camera—perfect for paparazzi photos!

Sony DCR-HC20 MiniDV Handycam, \$499.99

It's small, it's inexpensive, and it records all those silly vacation moments.

TDK I'maspeaker, \$34.99

This stereo-speaker/CD case combo holds 24 discs.

If high ticket prices, inquisitive kids, and yokels fumbling with candy wrappers have you avoiding your local megaplex, do Hollywood at home. There you have the freedom to down two liters of Coke without worrying about missing crucial plotlines. What's best: You can power it all with your Mac.—KF



1 Apple Dual 26Hz Power Mac G5, \$2,999
Not only does it look like a Terminator prop, but also it boasts a 160GB drive to house movies, TV shows, music, and more.

2 Kensington Wireless Optical Desktop, \$79.99
Forget doing the untangle tango in the dark—this wireless keyboard and mouse combo lets you control your Mac from anywhere.

3 Keyspan USB 2.0 Hub, \$39
How the heck are you gonna plug all your goods into your Mac's three measly USB ports?

4 Roku SoundBridge M2000, \$459.99
When our butt isn't couch-bound, this network music player streams our G5's tunes into the bedroom and beyond.

5 Da-Lite Cinema Contour, \$1,092
White walls will work, but this stylish 45-by-80-inch cinema screen provides the ultimate in picture quality.

6 Epson PowerLite Cinema 500, \$4,999
This sleek HD projector lets you watch movies and TV at high-quality, larger-than-life resolutions.

7 ThinkGeek USB FlexLight, \$15.99
See what you're doing without ruining the cinematic ambience—also handy if you're scared of the dark.

Interactive Health HTT-10 Massage Chair, \$1,799
Plunk your butt down, recline, enjoy a movie, and get a massage. The only thing missing is a cup holder.

iView MediaPro 2.0, \$199
If you're gonna be a multimedia junkie, this essential media manager helps you find and keep track of your stuff.

8 Apple AirPort Extreme Base Station, \$249
This is your best networking friend because it lets your Mac talk to all those multimedia devices.



⑩ Creative GigaWorks S750, \$499.99

Explosions sound like mere firecrackers unless you've got good speakers. This thumpin' 700-watt 7.1 surround sound system is THX-certified.

⑩ M-Audio Sonica Theater, \$119.95

This USB DTS and Digital Dolby decoding device lets you immerse your aural senses in 7.1 surround sound.

⑪ Elgato EyeTV 200, \$349

This nifty FireWire device brings MPEG-2-quality TV and TiVo-like functionality to your Mac.

⑫ ATI Remote Wonder, \$49

This handy remote lets you control your Mac's DVD, TV, music playback, and more.

⑬ PowerFile R200 MFX, \$4,799

This CD/DVD reading and writing jukebox goes to 200—discs, that is.

⑭ Nostalgia Electrics Popcorn Maker, \$119.99

Pop your own authentic movie-theater popcorn in this old-fashioned popper (butter-flavored grease sold separately).

Cheap Outs

Da-Lite Model B, \$110

It's not as stunning as the Cinema Contour, but this 43-by-57-inch screen displays big pictures on the cheap.

Elgato EyeTV USB, \$169

This lower-grade device costs less than the EyeTV 200.

Epson PowerLite S1+ Projector, \$999

It's not specifically made for the cinema screen, but its good contrast quality will pump up Hollywood flicks.

Logitech Z-5300, \$199.99

This 280-watt THX 5.1 surround sound system provides the oomph without the ch-ching.

"Fashion fades; style is eternal," said Yves Saint Laurent about something that probably wasn't a Mac. We disagree—when it comes to Macs, fashion and style are both eternal. When adorned with the right gadgets and accessories, hardware can exude an aura all its own whether you're taking pictures, listening to music, or crunching a spreadsheet.—NR



1 Epson P-1000, \$599

View photos from a CompactFlash card on the P-1000's 3.5-inch LCD, and print directly to select Epson inkjets.

2 Canon i9900, \$499.99

This wide-format, eight-color printer outputs 13-by-19-inch prints at a maximum 2,400-by-4,800-dpi resolution.

3 Jenny Oz beaded 12-inch iBook, \$2,000

Send your iBook or PowerBook to Jenny Oz, and she'll custom-bead it with gems and jewels. Two grand is for the studding only.

4 Bose Companion 3, \$249.00

This graphite 2.1 speaker system is loud and also pretty. Plus, it comes with mounting brackets.

5 Griffin Technology PowerMate, \$39.95

This silver knob gives you a cool way to control volume, scrub through video, and play games.

6 HP Scanjet 4670, \$199.99

We love the looks of this see-through vertical USB scanner, which scans at up to 2,400-by-2,400-dpi resolution.

7 LaCie Data Bank, \$349

Designed by F.A. Porsche, this 40GB FireWire and USB 2.0 drive looks like silver bullion.

8 Canon Optura 300, \$999.99

This 2-megapixel CCD miniDV camcorder sports a 2.5-inch LCD, 10x optical zoom, and MPEG-4 movie mode.

MCE QuickStream DV, \$999

Capture DV video directly onto this rechargeable FireWire drive that stores 6 hours of video.

Lexar Media USB JumpDrive, \$199.99

This purple keychain flash drive adds color to 512MB of storage.



9 Dr. Bott Groove Bag Triplet, \$144.95
Insert your iPod into this mod-looking pleather bag, and listen to your tunes through the embedded speakers.

Verbatim DigitalMovie DVD, \$12.95 for three
These DVD-R or +R discs look like movie reels for that extra bit of authenticity—and vanity.

10 Apple 20-inch G4 iMac, \$2,199
The 1.25GHz-processor iMac sports a gorgeous 20-inch LCD.

11 Acme iMac iCover, \$39.99
This quilted satin cover for iMac LCDs comes in 15-, 17-, and 20-inch sizes.

XtremeMac XwireGold, \$18.95
This one-meter FireWire cable has a 24 karat gold tip—when you care enough about your peripherals.

12 Sony DSC-U40 Cyber-shot U, \$199.95
We dare you to find a smaller, cuter camera than this 2-megapixel true blue.

13 Microsoft Wireless Optical Mouse, \$44.95
This groovy-looking wireless mouse comes with a tilt wheel for side-to-side and vertical scrolling.

Cheap Outs

Epson PictureMate, \$199

Available this summer, this direct-to-camera printer outputs only 4-by-6-inch prints.

Harman Multimedia JBL Duet, \$59.95

These JBLs are inexpensive and stylish, and they plug into your headphone jack.

SmartDisk FlashHopper, \$69.99

This silver 128MB USB flash drive is cute as a button—and cheap too.

What better reason to apply for all that financial aid than to splurge on some new Mac paraphernalia? This dream machine packs mad power to handle all of your student-lifestyle needs and then some—including any Sociology 2 field experiments. Just be careful with all that, um, root beer around your gear.—NT



1 Altec Lansing FX 6021, \$299.95

This speaker system's small footprint is great for sounding off movies, games, or music in crunched quarters.

2 HP Laserjet 1500, \$599

This laser is great for printing out all those color reports and rushing them off to class.

3 Apple iSight, \$149.99

Save on long distance calls to the fam or create your own reality-TV show.

4 Griffin SightLight, \$39.99

You can never look too radiant—add this little light to your iSight to brighten up ill-lit dorm rooms.

Apple Wireless Keyboard and Mouse, \$69 each

Now you can write papers from your bed. Sadly, you'll still have to get up to pay the pizza-delivery guy.

Kensington Twin Microsaver, \$59.99

Keep both your iBook and external devices locked down with one cable.

5 Apple 14-inch iBook G4, \$2,149

Say hello to 1.256GB of RAM, a 60GB hard drive, AirPort Extreme, Bluetooth, and an ATI Mobility Radeon 9200 card—and say goodbye to that three-ring binder.

6 Olympus DS-660 Digital Voice Recorder, \$249.99

Record up to 11 hours of lectures while you nap and doodle—then share, append, and edit during more cognizant hours.

7 Sony Ericsson T616, \$199.99 (street)

This phone has a built-in camera and Bluetooth for easy iSyncing of contacts and calendar events.

8 Photo Control iBookEndz Dock, \$144.95

Spend less time plugging in all those cables and more time hitting the books.

9 Apple iPod 20GB, \$399

iPod use during 18th-century European history lectures recommended.

10 Samsung SyncMaster 173MW, \$929

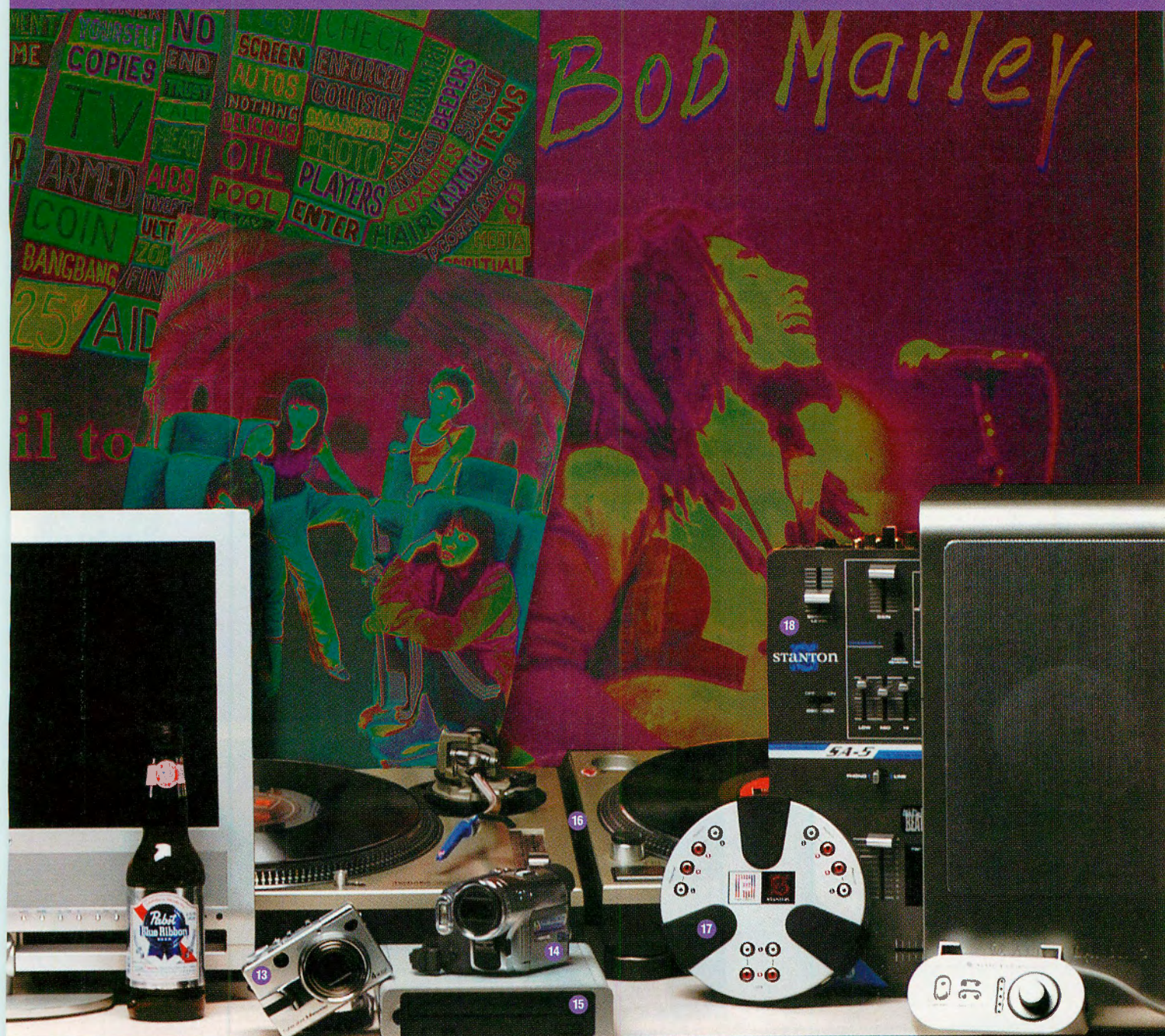
Use this display's picture-in-picture capability to play UT04 while watching Sealab 2021.

11 Chrome Blackbox Laptop Bag, \$90

Tough enough to survive any abuse; slick enough to polish your image.

Lexar JumpDrive Secure, \$189.99

Transport password-protected data on this wee USB drive.



12 RadioShack PlayStation-to-USB Game Adapter, \$10.49
Never play your favorite games with a keyboard again.

TikiMac LavaWire USB and FireWire Cables, \$12.99 each
Add style to your setup with these flashy cables.

13 Sony DSC-V1 Cyber-shot, \$499.95
This 5.1-megapixel camera with see-in-the-dark NightShot is sure to capture priceless moments.

14 Panasonic PV-GS200, \$999.95
Spice up your class presentations with video—this adorable 3CCD digital camcorder is packed with features.

15 LaCie 8X d2 Dual DVD±RW Drive, \$239
Replace that slow stock drive with this speedy upgrade, and use the time you save to learn Greek.

16 Panasonic Technics SL-1200MK2 Turntable, \$749.95
Shake off your Molecular Biology blues—scratch away with this old favorite, now sporting an extended pitch range.

17 Stanton FinalScratch 1.5, \$499
FS's unique time-code discs let you spin your entire MP3 collection in real time—handy for after-hours parties.

18 Stanton SA-5 DJ Mixer, \$599
A knobless mixer is

such a novel idea—use this mixer's faders and switches instead.

Cheap Outs

Altec Lansing VS 2120, \$29

This sound system does the job and won't annoy the roommates.

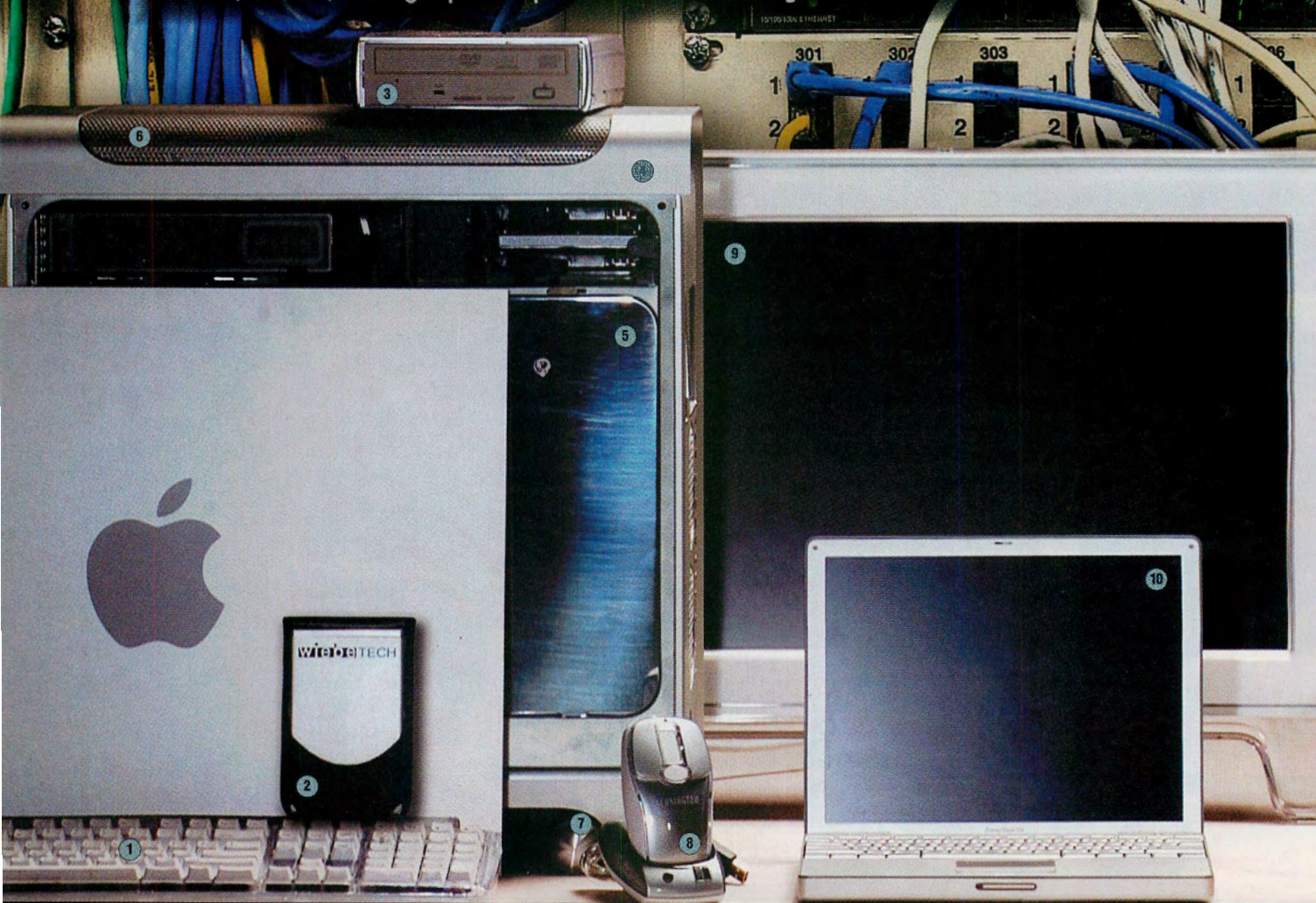
Epson C64, \$59

Avoid nosey photolab guys by printing your wacky photos in private.

Iiyama ProLite E380S-W, \$350 (street)

This 15-inch display is easy on space and your wallet.

There's nothing quite like raw, unbridled computing power—unless it has supersonic storage, powerhouse printing, and accessories tough enough to take a licking and keep on ticking. This heap of hefty hardware can stand up to the most demanding professional video, audio, and graphics-production challenges.—*RM*



1 Matias TactilePro Keyboard, \$99.95

It's tough enough to take any over-muscled punishment you dish out.

2 WiebeTech MicroGB800, \$499.95

Most portable drives spin at 4,200 or 5,400 rpm. This speedster runs at 7,200.

3 Other World Computing Mercury Pro DVD-/±RW drive, \$199

The G5's DVD burner can't top 4X; this one burns at twice as fast.

4 Apple Dual 2GHz Power Mac G5, \$8,747

Maximize RAM, install OS X Server, upgrade the graphics card, and include AppleCare, and you're ready to rock. Hard.

5 WiebeTech G5Jam, \$499.95

Mount four drives inside your G5—two attached to a humongous mirrored heat sink—they RAID 'em up.

Hitachi 400GB Deskstar 7K400 drives, \$1,599.80 for four

Four 400GB drives in your WiebeTech G5Jam equals 1.6TB.

6 Dr. Bott G5 Roof, \$74.99

Put a roof on your G5, and you'll have more workspace—it looks mighty cool too.

7 Dr. Bott G5 Skateboard, \$129

Put your G5 on wheels for style and convenience.

8 Kensington StudioMouse Wireless, \$119.95

Your tender index finger will prefer this mouse's smooth touchpad to an irritating scroll wheel.

9 Apple Cinema HD Display, \$1,999

We searched the world and found no better display.

10 Apple 12-inch PowerBook G4, \$1,851

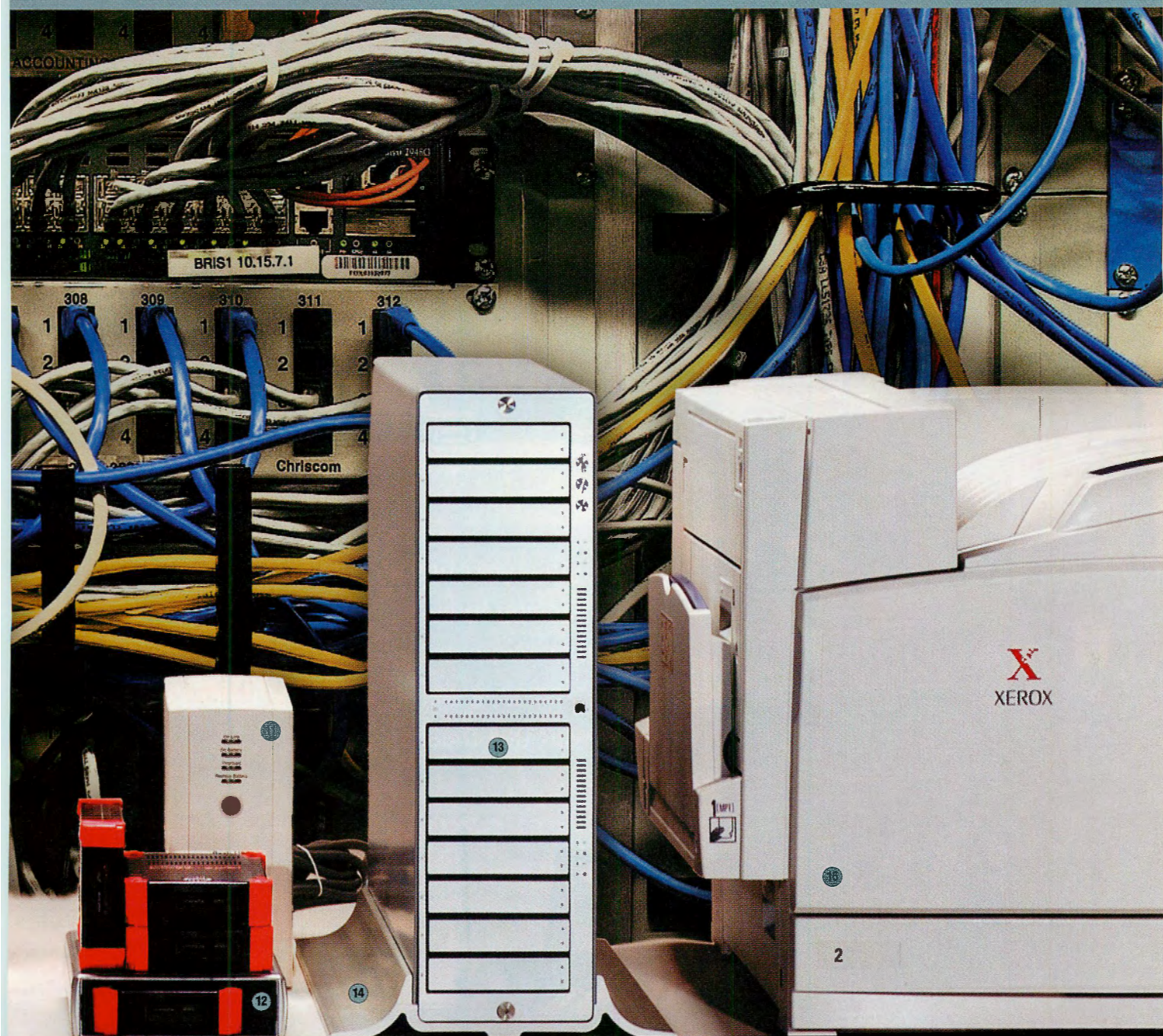
When you're not there to baby your ultra-G5, carry along your remote-access helpmate.

11 APC Back-UPS RS 800, \$189.99

If the power goes down, your Muscle Mac will stay lit when attached to this uninterruptible power supply.

12 Olixir FastRestore SE, \$3,499

Backup is a necessity, but tape is slow. Removable, ruggedized 250GB drives make high-speed backup a breeze.



13 Apple Xserve RAID, \$15,096

With 3.5TB of storage, optional cache-backup batteries, and serious service options, you've got one fast, safe ride.

14 XtremeMac XtroVert, \$299

Apple designed the Xserve RAID to be rack-mounted, but it's perfectly comfortable when vertical.

15 Xerox Phaser 7750/DN, \$6,799

This Ethernet-equipped baby pumps out 35 ppm at 1200 by 1200 dpi—black and white, or color.

SCSI RAID *not shown*

ATTO CBL-V68E-03X SCSI cables, \$199.90 for two

SCSI cables don't come cheap—and the least expensive ones can cause trouble. Get solid ones like these.

ATTO Express Ultra320 SCSI PCI card, \$549

Pop this dual-channel card into your 133MHz PCI-X slot, and get ready for killer file-transfer performance.

DataStor DS52U2 drive enclosure, \$319.95

You need a home for your SCSI drives; this utilitarian box'll do.

DataStor UCB35XX mounting brackets, \$65.90 for two
Fit your 3.5-inch Seagate drives into a 5.25-inch SCSI enclosure.

Seagate Cheetah 15,000-rpm SCSI drives, \$1,438 for two

These drives spew data faster than a freshman throwing back Jello shots.

Cheap Outs

Formac Gallery 1900, \$949

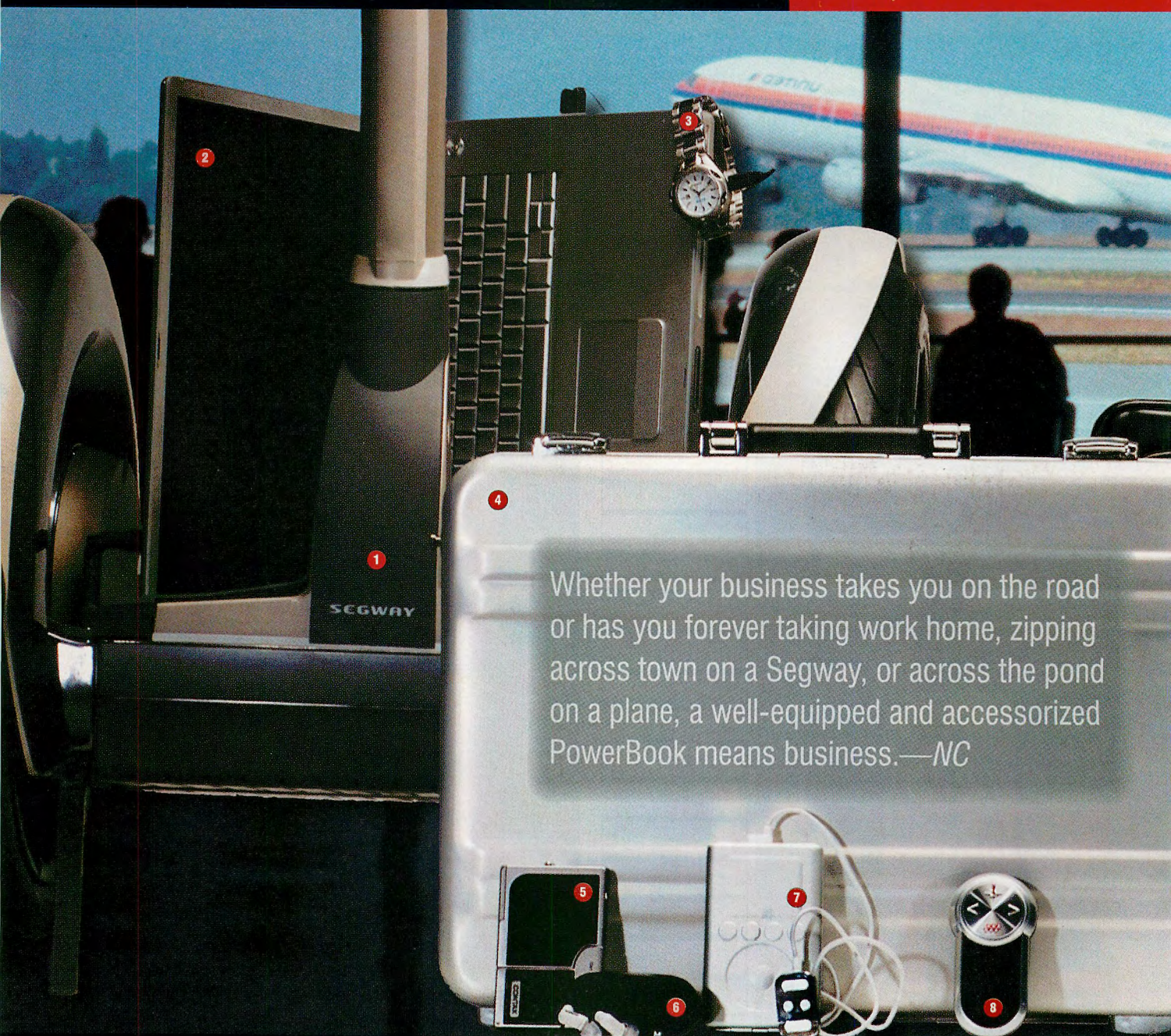
This bright LCD display is nearly as big as an Apple Cinema HD display but costs half as much.

Xerox Phaser 8400, \$999

Solid-ink technology keeps the price low and the performance high: 24 ppm in black and white, or color.

LaCie 500GB Big Disk Extreme, \$579

A new chipset and RAID 0 alchemy make this beastie up to 50 percent faster than other FireWire 800 drives.



Whether your business takes you on the road or has you forever taking work home, zipping across town on a Segway, or across the pond on a plane, a well-equipped and accessorized PowerBook means business.—NC

1 Segway HTI, \$4,495
Apple cofounder Steve Wozniak rides a Segway—'nuf said.

2 Apple 15-inch PowerBook G4 1.5GHz, \$3,699
The 12-incher's too small, the 17-incher's too big; 15 inches upgraded to 2GB of RAM is juuuust right.

3 Edge Memory DiskGo 128MB USB Flash Drive Watch, \$99.95 (ESP)
This big-guy watch is easier to get through airport security than our brass knuckles.

4 Zero Halliburton Z5-SI, \$495
With this case, you'll be ready to switch careers to something more illegal next time the economy tanks.

5 Kyocera Contax SL300RT*, \$499
With suave looks, Zeiss optics, and fast performance, this little digicam has all you need.

Kensington Expert Mouse Wireless, \$119.99
Take a break from your 'Book's trackpad and use this trackball.

6 Shure E5c Sound Isolating Earphones, \$499
These phones aren't cheap, but neither is strangling the crying brat in the seat behind you.

Apple iPod 40GB, \$499
The executive-sized iPod will hold all your important documents and enough music for any business trip.

7 Matias iPod Armor, \$49.95
This is the only iPod case worthy of being carried alongside a Zero Halliburton attaché.

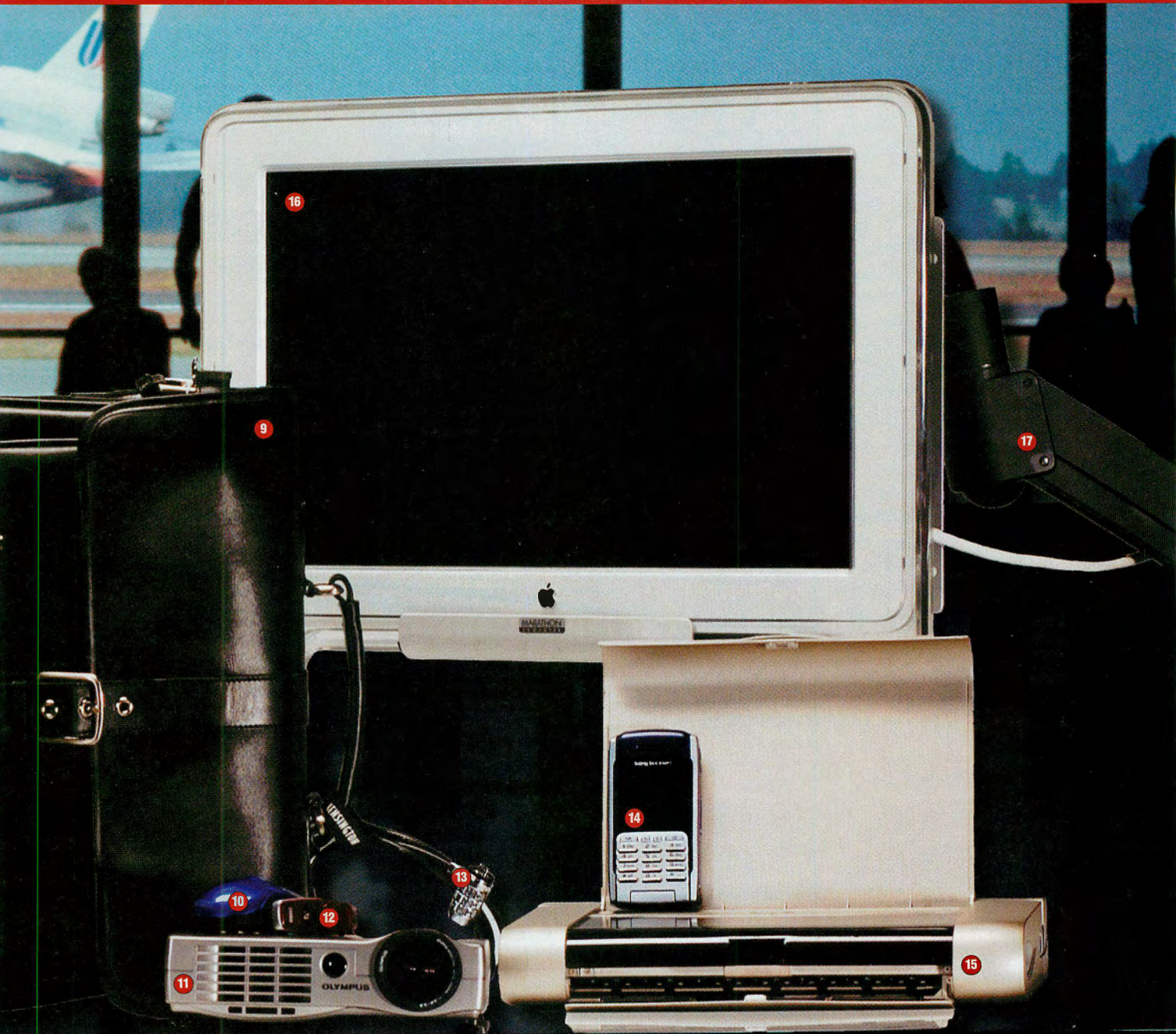
8 Interlink Remote Point Navigator, \$149
This retro-styled controller includes a laser pointer, making your forward-thinking ideas seem downright revolutionary.

9 Marware CEO Milano Brief, \$149.95
Swap out your aluminum case for this classic leather satchel when you want a more traditional look.

Apple DVI to ADC Display Adapter, \$99
Sexy? No. Required to run a Cinema Display from a PowerBook? Yes.

10 RadTech BT-500, \$54.95
This slick little wireless mouse communicates via the PowerBook's internal Bluetooth—no external transmitter required.

11 Olympus VP-1 Data Projector, \$2,495
You still can't count on finding a decent projector at off-site meetings—so bring along this great little unit.



12 Verbatim Store 'n' Go 16GB USB drive, \$349
You never know when you'll need to put a gig of storage in your pocket.

RadTech Notebook ScreensavRz, \$15.95
This swath of genuine Optex fabric protects, cleans, and refinishes your PowerBook's screen.

Kensington Expert Mouse Wireless, \$119.99
This trackball is compensation for all the times you have to use the 'Book's trackpad.

13 Kensington ComboSaver Security Cable, \$39.99
With 6 feet of braided steel and a combination lock, this will secure all your gear.

14 Sony-Ericsson P900, \$799.99
Why carry a PDA and a cell phone when smartphones like the P900 do it all?

Zip-Linq Wireless Phone Charger Kit, \$14.99
Sometimes it's about the little things. Actually, when you're traveling, it's all about the little things.

15 Canon i80 Photo Printer with Cradle Kit, \$389.98
This printer is small enough to tote around and prints well enough to use back at home.

16 Apple 20-inch Cinema Display, \$1,299
As long as we're dreaming, we need some extra screen real estate when we're back at our desks.

17 Marathon PixArm Articulating Arm Mount, \$375
This arm mount lets you

slide the Cinema Display out of the way when you're out of town.

Cheap Outs

PalmOne Treo 600, \$449
If this less-expensive smartphone still costs too much, get a paper notepad and a roll of dimes for the pay phone.

Matias Laptop Armor Aluminum, \$149.95
Same great look and hard-sided protection without the pricey ZH label.

SmartDisk Rover 128MB, \$99.99
This wee MP3 player doubles as a USB Flash drive.

product index

ACME

www.acmemade.com
888-486-3191
iMac iCover, \$39.99, p26

APC

www.apc.com
800-800-4272
APC Back-UPS RS 800, \$189.99, p30

APPLE

www.apple.com
800-692-7753
12-inch PowerBook G4, \$1,799, p22
12-inch PowerBook G4 (768MB SDRAM, 60GB hard drive, extra battery, AppleCare), \$1,851, p30
14-inch iBook G4, \$2,149, p28
15-inch PowerBook G4 1.5GHz with 2GB RAM, \$3,699, p32
20-inch Cinema Display, \$1,299, p32
20-inch G4 iMac, \$2,199, p26
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Cinema HD Display, \$1,999, p30
Dual 2GHz Power Mac G5, \$2,999, p24
Dual 2GHz Power Mac G5 (8GB SDRAM, ATI Radeon 9800 Pro, Bluetooth, OS X Server with 10 clients, AppleCare), \$8,747, p30
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iPod 20GB, \$399, p28
iPod 40GB, \$499, p32
iPod mini, \$249, p22
iSight, \$149.99, p28
Wireless Keyboard and Mouse, \$69 each, p28
Xserve RAID (3.5TB, cache batteries, Fibre Channel card, service kit, AppleCare), \$15,096, p30

ALTEC LANSING

www.altecmmm.com
866-570-5702
FX 6021, \$299.95, p28
VS 2120, \$29, p28

ATI TECHNOLOGIES, INC.

www.ati.com
905-882-2600
Remote Wonder, \$49, p24

ATTO TECHNOLOGY

www.attotech.com
716-691-1999
CBL-V68E-03X SCSI cables, \$199.90 for two, p30
Express PCI UL4D-000 Dual-Channel Ultra-320 SCSI Host Adapter Kit, \$549, p30

BELKIN

www.belkin.com
800-223-5546
TuneCast II, \$49.99, p22

BOSE

www.bose.com
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Companion 3, \$249.00, p26

CANON

www.canonusa.com
800-385-2155
i80 Photo Printer with Cradle Kit, \$389.98, p32
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Optura 300, \$999.99, p26

CHROME

www.chromebags.com
415-503-1221
Blackbox Laptop Bag, \$90, p28

CREATIVE

www.creative.com
800-998-1000
GigaWorks S750, \$499.99, p24

DA-LITE SCREEN COMPANY

www.da-lite.com
800-622-3737
Cinema Contour, \$1,092, p24
Model B, \$110, p24

DATASTOR

www.dstor.com
800-777-6621
DS52U2 Ultra320 External SCSI Cabinet, \$319.95, p30
UCB35XX mounting brackets, \$65.90 for two, p30

DR. BOTT

www.drbot.com
877-611-2688
G5 Roof, \$74.99, p30
G5 Skateboard, \$129, p30
Groove Bag Triplet, \$144.95, p26

EDGE MEMORY

www.edgememory.com
580-332-6581
DiskGo 128MB USB Flash Drive Watch, \$99.95 (ESP), p32

ELGATO SYSTEMS

www.elgato.com
EyeTV 200, \$349, p24
EyeTV USB, \$169, p24

EPSON

www.epson.com
800-463-7766
C64, \$59, p28
P-1000, \$599, p26
PictureMate, \$199, p26
PowerLite Cinema 500, \$4,999, p24
PowerLite S1+ Projector, \$999, p24

FORMAC

www.formac.com
877-436-7622
Gallery 1900, \$949, p30

GRIFFIN TECHNOLOGY

www.griffintechnology.com
615-399-7000
PowerMate, \$39.95, p26
SightLight, \$39.99, p28

HANDMARK

www.handmark.com
816-474-3495
Tetris Classic Game Pak for Palm, \$29.99, p22

HARMAN MULTIMEDIA

www.harmanmultimedia.com
516-255-4525
JBL Duet, \$59.95, p26

HITACHI

www.hitachigst.com
800-801-4618
400GB Deskstar 7K400 drives, \$1,599.80 for four, p30

HP

www.hp.com
800-752-0900
Laserjet 1500, \$599, p28
Scanjet 4670, \$199.99, p26

IYAMA

www.iyama.com
215-682-9050
ProLite E380S-W, \$350 (street), p28

INTERACTIVE HEALTH

www.interactivehealth.com
800-742-5493
HTT-10 Massage Chair, \$1,799, p24

INTERLINK ELECTRONICS

www.interlinkelectronics.com
800-340-1331
Remote Point Navigator, \$149, p32

ISKIN

www.iskin.com
416-924-9607
ProTouchPB, \$19.99, p22

IVIEW MULTIMEDIA

www.iview-multimedia.com
+44-20-7223-8691
iView MediaPro 2.0 \$199, p24

JENNY OZ

www.jennyoz.com
800-754-0465
Custom beaded iBook, \$2,000 (studding only), p26

KENSINGTON

www.kensington.com
800-235-6708
ComboSaver Security Cable, \$39.99, p32
Expert Mouse Wireless, \$119.99, p32
FlyFan, \$9.99, p22
StudioMouse Wireless, \$119.95, p30
Twin Microsaver, \$59.99, p28
Universal AC/Car/Air Adapter for Apple, \$119.99, p32
Wireless Optical Desktop, \$79.99, p24

KEYSPAN

www.keyspan.com
510-222-8802
USB 2.0 Hub, \$39, p24

KYOCERA

www.kyoceraimaging.com
800-526-0266
Contax SL300RT*, \$499, p32

LACIE

www.lacie.com
503-844-4500
500GB Big Disk Extreme, \$579, p30
8x d2 Dual DVD±RW drive, \$239, p28
Data Bank, \$349, p26

LEXAR MEDIA

www.lexarmedia.com
510-413-1200
JumpDrive Secure, \$189.99, p28
USB JumpDrive (512MB), \$199.99, p26

LOGITECH

www.logitech.com
800-231-7717
Logitech Z-5300, \$199.99, p24

MARATHON COMPUTER

www.marathoncomputer.com
800-832-6326
PixArm Articulating Arm Mount,
\$375, p32

MARWARE

www.marware.com
954-927-6031
CEO Milano, \$149.95, p32

MATIAS CORPORATION

www.halfkeyboard.com
888-663-4263
Laptop Armor Aluminum,
\$149.95, p32
iPod Armor, \$49.95, p32
TactilePro Keyboard, \$99.95, p30

M-AUDIO

www.m-audio.com
626-633-9050
Sonica Theater, \$119.95, p24

MCE TECHNOLOGIES

www.mcetech.com
949.458.0800
QuickStream DV, \$999, p26

MICROSOFT

www.microsoft.com
888-218-5617
Wireless Optical Mouse, \$44.95,
p26

MONSTER CABLE

www.monstercable.com
415-840-2000
iSplitter, \$9.95, p22

NIKON

www.nikonusa.com
800-645-6687
CoolPix 3200, \$279.95, p22

NOSTALGIA ELECTRICS

*find retailers on Dealttime.com
Popcorn Maker (KPM-508),
\$119.99, p24

OLIXIR TECHNOLOGIES

www.olixir.com
800-719-0595
FastRestore SE with five 250GB
DataVault drives, \$3,499, p30

OLYMPUS

www.olympusamerica.com
888-553-4448
D-395, \$149 (ESP), p22
DS-660 Digital Voice Recorder,
\$249.99, p28
VP-1 Data Projector, \$2,495, p32

OTHER WORLD COMPUTING

www.macsales.com
800-275-4576
Mercury Pro DVD-/RW Pioneer
DVR-107 8X External, \$199, p30

PALM ONE

www.palmone.com
800-881-7256
Treo 600, \$449, p32
Tungsten T3, \$399, p22
Zire 72, \$299, p22

PANASONIC

www.panasonic.com
800-211-7262
PV-GS200, \$999.95, p28
Technics SL-1200MK2 Turntable,
\$749.95, p28

PHOTO CONTROL

www.photo-control.com
800-787-8072
iBookEndz (Black), \$144.95, p28

POWERFILE

www.powerfile.com
866-838-3669
PowerFile R200 MFX, \$4,799, p24

RADIOSHACK

www.radioshack.com
800-843-7422
PSX-to-USB Game Adapter,
\$10.49, p28

RADTECH

www.radtech.us
314-972-7623
BT-500, \$54.95, p32
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ROADWIRED

www.roadwired.com
877-435-5679
KeyCard Travelock Security Kit,
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ROKU LABS

www.rokulabs.com
888-600-7658
SoundBridge M2000, \$459.99,
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SAMSUNG

www.samsung.com
800-726-7864
SyncMaster 173MW, \$929, p28

SEAGATE TECHNOLOGY

www.seagate.com
877-271-3285
Cheetah 15K-rpm SCSI drives,
\$1,438 for two, p30

SEGWAY LLC

www.segway.com
866-473-4929
Segway HTi, \$4,495, p32

SHURE

www.shure.com
800-257-4873
E5c Sound Isolating Earphones,
\$499, p32

SMARTDISK

www.smartdisk.com
239-425-4000
FlashHopper, \$59, p26
FlashTrax, \$699.99, p22
Rover 128MB, \$99.99, p32

SONY

www.sonystyle.com
800-352-7669
DCR-HC20 MiniDV Handycam,
\$499.99, p22
DCR-PC330 MiniDV Handycam,
\$1,699.99, p22
DSC-U40 Cyber-shot U, \$199.95,
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DSC-V1 Cyber-shot, \$499.95,
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SRS-T88 speakers, \$89.99, p22

SONY ERICSSON

www.sonyericsson.com
866-837-7290
T616, \$199.99 (street), p28
P900, \$799.99, p32

STANTON MAGNETICS

www.stantondj.com
954-689-8833
Final Scratch 1.5, \$499, p28
SA-5 DJ Mixer, \$599, p28

TDK

www.tdk.com
800-835-8273
I'maspeaker, \$34.99, p22

THINKGEEK

www.thinkgeek.com
888-433-5788
USB FlexLite, \$15.99, p24

TIKIMAC

www.tikimac.com
303-830-0124
LavaWire USB and FireWire
Cables, \$12.99 each, p28

TIMBUK2

www.timbuk2.com
415-252-4300
Laptop Tote, \$80, p22

VALENTINE ONE

www.valentine1.com
800-331-3030
Radar Locator, \$399, p22

VERBATIM

www.verbatim.com
800-538-8589
DigitalMovie DVD, \$12.95 for
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Store 'n' Go 1GB USB drive, \$349,
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WIEBETECH

www.wiebetech.com
866-744-8722
G5Jam, \$499.95, p30
MicroGB800, \$499.95, p30

XEROX

www.xerox.com
800-275-9376
Phaser 7750/DN, \$6,799, p30
Phaser 8400, \$999, p30

XTREMEMAC

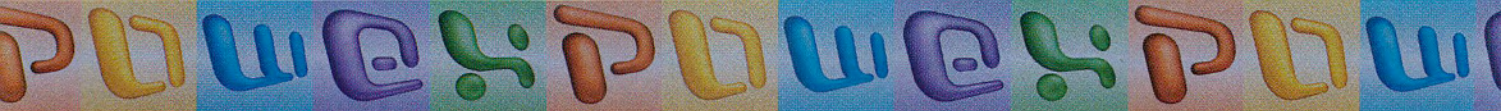
www.xtrememac.com
866-392-9800
XtroVert, \$299, p30
XwireGold, \$18.95 (1-meter
cable), p26

ZERO HALLIBURTON

www.zerohalliburton.com
888-909-9376
Z5-SI, \$495, p32

ZIP-LINQ

www.ziplinq.com
800-609-7550
Road Warrior Kit, \$59.99, p22
Wireless Phone Charger Kit,
\$14.99, p32



Office PowerPoint

Microsoft released Office v. X at the end of 2001—and what a difference two and a half years makes. Office 2004 for Mac is not just about baby steps; it's about pushing the envelope with inventive new features, such as an organizer to



A Hands-On Guide: Microsoft Office 2004

never

help you manage major projects, the ability to record audio while taking notes in Word, a central place to store text and graphics, and a whole lot more. Read on to discover the best and brightest in Office 2004. **by the MacAddict staff**

Note

This is a preview—not a review—of Office 2004, and we researched and wrote it using beta software. Look for *MacAddict's* final verdict on Office 2004 in our August issue.

Microsoft Office 2004 for Mac
www.microsoft.com/mac
Standard Edition, \$399.95
Upgrade Edition, \$229.95
Student and Teacher Edition, \$149.95

Office

A better Project Gallery, a transparent Formatting Palette, and a place to store all your junk

→ Employ the Toolbox

The new toolbox palette houses a ton of useful features. You activate the toolbox by clicking the red toolbox icon in the Standard toolbar in Word, Excel, and PowerPoint 2004.

Scrapbook If you have graphics you use frequently or pieces of text you often retype (say, a template for letters), store them in the Scrapbook. Just highlight the element you want to store, then click Add in the Scrapbook tab of the toolbox palette. To use something from the Scrapbook, drag it into your document or select it and click Paste. You can also add a keyword or two at the bottom, then search by selecting Keyword Contains in the drop-down menu in the upper-left area of the palette.

The Scrapbook is also available in Entourage, where we found this feature particularly useful for storing email form letters. To bring up the Scrapbook in Entourage, go to Tools > Scrapbook.

Compatibility Report To check your document's compatibility with other versions of Office (Windows or Mac), click the wrench-icon tab, which takes you to the Compatibility Report pane of the

toolbox. Choose the versions of Word, Excel, or PowerPoint against which you want to check your document, and then click the Check Document button. Office reports any problems to you and fixes them—if it can.

Projects The Projects pane—switch to it by clicking the briefcase-icon tab—gives you quick access to the projects you create in Entourage (see “Set Up

→ Rediscover Project Gallery

You know the Project Gallery—it's that annoying dialog filled with an boatload of templates for Word, Excel, and PowerPoint that pops up when you launch one of those applications. Now meet the new, far more useful Project Gallery.

Office 2004's Project Gallery features, among other things, a listing of all your recent documents (under the Recent tab) sorted by days—you can view, for

Office

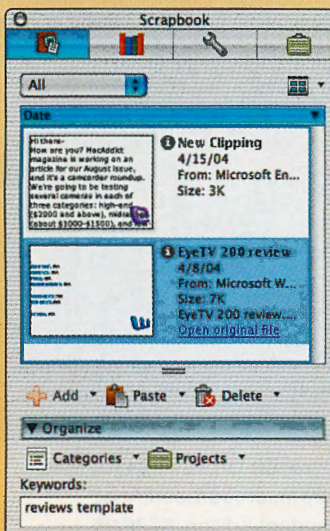
Quick Tips

File Names You can now give your files names that contain more than 31 characters. In fact, you can give them 255-character names if you want—that's Mac OS X's limit.

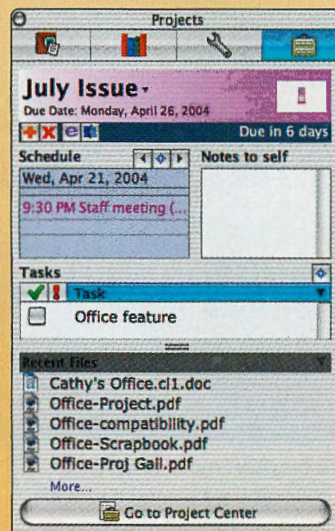
Formatting Palette The updated Formatting Palette turns transparent when idle. To customize the level of transparency, click the triangle at the bottom of the Formatting Palette and select Customize Formatting Palette.

a Project,” p43). In Word, Excel, or PowerPoint, you can view and tweak your schedule, look at or add tasks, and view new and recent email messages related to the project. You can customize the area below tasks to view a different list, such as recent files or key contacts. Just click the triangle on the gray bar and choose another option from the drop-down menu.

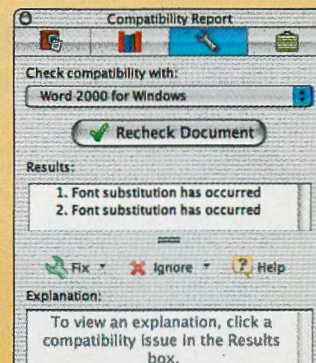
example, just files you opened today or ones from all of last week. There's also a Project tab, which lists all the files associated with your projects, and a Learn tab, which leads you to example templates. To tweak the Project Gallery to suit your needs, click the Customize tab, which lets you set how many recent files to display, among other things.—CL



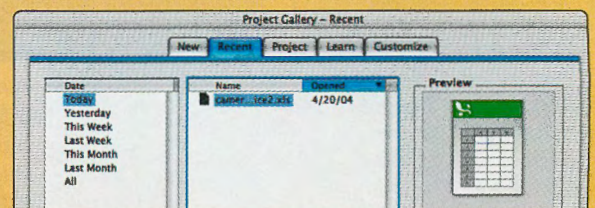
Scrapbook Store anything you want in the Scrapbook.



Projects Get some quick info about your project using the toolbox.



Compatibility Report Use Compatibility Report (left) to make sure your documents appear correctly on another computer—Mac or PC.



Project Gallery The new Project Gallery (below) now lets you launch recent files, not just templates.

Word

A new Notebook Layout view, audio notes, and enhanced track-changes mode

➔ Get Out Your Notebook

If we'd had Notebook Layout view around in college, we almost certainly would have passed calculus the first time through. The Formatting Palette and revised toolbar contain all kinds of snazzy tools to help you organize your notes; you can even record audio and sync it to your notes for playback later.

new ones, and add titles for each tab. You can either display tab titles or just display numbers on each tab by clicking the Show Section Tab Titles option in the status bar at the bottom of the window. To delete a tab, hold down Control and click the tab you want to delete, then select Delete Section in the contextual menu that appears.

the text up or down one level. You can also move selected text up or down one line by clicking the Move Up and Move Down buttons, or arrange it in alpha or numerical order by clicking Ascending or Descending in the Sorting section of the Formatting Palette.

Scribble Tool and Eraser The scribble tool is handy for those times when a picture is worth a thousand words. If you draw items too closely together, Word automatically groups them; you can undo this by going to the Size, Rotation, and Ordering section of the Formatting Palette and selecting Grouping > Ungroup. And there's an eraser for scribbles gone awry.

Note Flags In the Note Flags section of the Formatting Palette, you can select check boxes, question marks, and priority markers to flag action-item notes or audio, along with important text. These tags link to selected text and appear in the left margin of your document. You can also link notes to Entourage Tasks to receive reminders about when your project is due.

Search Just type in a keyword or phrase, and Word will highlight every instance of that word in your document. Also, tabs for pages containing that word will glow blue.

Audio Notes You can record audio that syncs to your notes using Audio Notes. Click the mic icon in the toolbar to bring up the Audio Notes toolbar. To link audio to your text, click where you want to begin typing and then click the record button ▶

Rule Lines In the Rule Lines section of the Formatting Palette, you can customize the style of rule lines (Standard, Outline, or None) and the distance between lines (the lower the number, the narrower the line).

Title Bar You can change the tag on the right side of the title bar to match the type of information you record there: the author's name, say, or the date and time you created or modified the file.

Tabs Tabs run down the right side of the page to help you organize notes by class, subject, or however else you want. You can drag and drop tabs to change their order, click the plus sign (+) to add

Note Levels Grab any line of text by its widget handle (which appears when you roll over the text), and then drag and drop it. Alternately, you can select text, go to the Note Levels section of the Formatting Palette, and choose a level from the Levels pop-up, or click the Promote or Demote button to move

Quick Tips

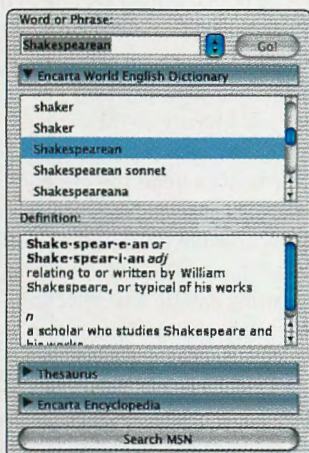
Printing Tabs To print text contained within a certain tab, choose Current Section Tab in the Print dialog. You can also choose to print all text contained in your notes.

Audio Files You can shrink the size of an audio file by lowering the recording quality. In the Note Recording section of Word preferences, choose an appropriate setting from the Quality pop-up menu.

Word

Quick Tips

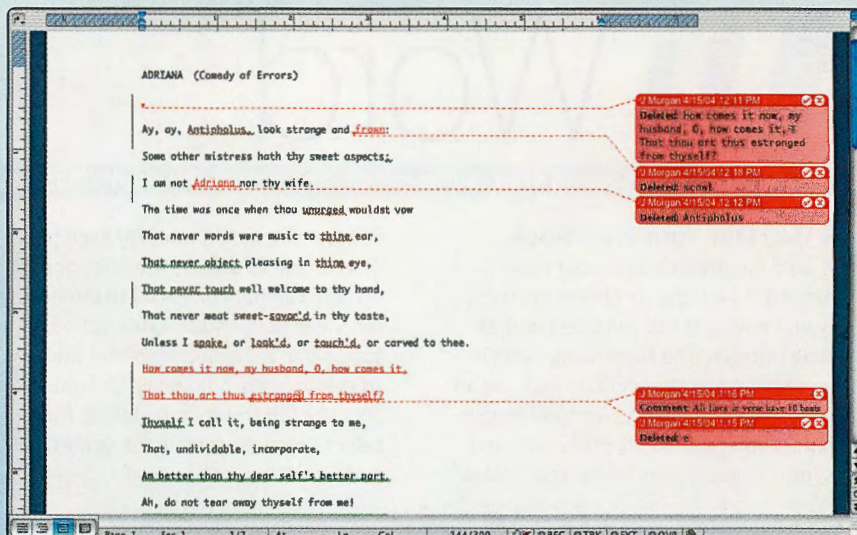
Reference Tools In addition to Scrapbook, Compatibility, and Project Center panes, Word's toolbox also has a Reference Tool section. Just click the books icon, and a centralized and searchable reference section—dictionary, thesaurus, and encyclopedia—is at your fingertips.



Find one big library stuffed into one little window in Word 2004's toolbox.

Navigation The Navigation Pane (under View) enables you to see your entire document by header, as in previous versions, or by thumbnail—click any header or thumbnail page to jump to that place in your document.

The Navigation Pane helps you gain perspective.



Track Changes Nothing says you care like comment balloons.

in the Audio Notes toolbar—Word will time-stamp the recording at the beginning of each new paragraph. Press the stop button to stop recording. To play back audio, roll your cursor over your text and click the audio icon that appears. Options to delete audio markers, and to delete and export audio are located under Tools > Audio Notes.

◆ Track Your Changes

Word 2004 marries track-changes functionality with cartoonlike comment balloons. Open the document you want to edit in Page Layout view and call up the reviewing toolbar (View > Toolbars > Reviewing). When you change text, highlight text, or insert your cursor next to a line of text and then click the New Comment button, a color-coded, time-stamped comment balloon labeled with your name appears on the right side of the document. If you first click the Track Changes button, changes will appear in a different color inline, and when you click the New Comment button, a balloon containing a description of your change (plus accept and reject action buttons) appears. You can customize the color of your comment balloons and inline

changes, or turn them off completely via the Track Changes preferences.

You can now also access instant messaging (Messenger only) and send documents as email attachments directly via the reviewing toolbar. You can single out one person's remarks by going to the reviewing toolbar and selecting Show > Reviewers > name of person. And you can save different versions of documents via File > Versions.

◆ Push Smart Buttons

Smart Buttons are another nifty new Word 2004 feature. Now when you paste in new text, a Paste Options button (a clipboard icon) appears; click it to reveal a contextual menu that contains formatting options—no trip to the Edit > Paste Special menu is necessary. There is also an AutoCorrect Options button (a lightning-bolt icon)—when Word autocorrects something you type, this button will appear, and you can choose to reject or modify an autocorrection from its contextual menu. Turn off the Paste Options button entirely by unchecking the Show Paste Options Buttons box in the Edit preferences.—JM

Styles Instead of digging deep in Menuville, create styles right in the new Styles section of the Formatting Palette. And it's much easier to apply styles—no longer do you have to select one from a pull-down menu.



After creating a new style, Word will stick it in your Styles bonnet for later use.

Excel

Improved charts, easier transparency, and print previewing that makes sense

➔ Make Better Charts

Customizing Excel charts has always been a multiple-click hassle. But in Excel 2004, creating and prettifying charts is much easier, and the results can be noticeably more eye-catching.

The gateway to these improvements is the enhanced Formatting Palette, which now contains most—if not all—of the tools you need to work your creative

such as Series Colors, Schemes (preset color combinations), and Line and Fill options. Although the preset Schemes are well chosen, you'll wish they were numbered in their drop-down menu so they'd be easier to navigate.

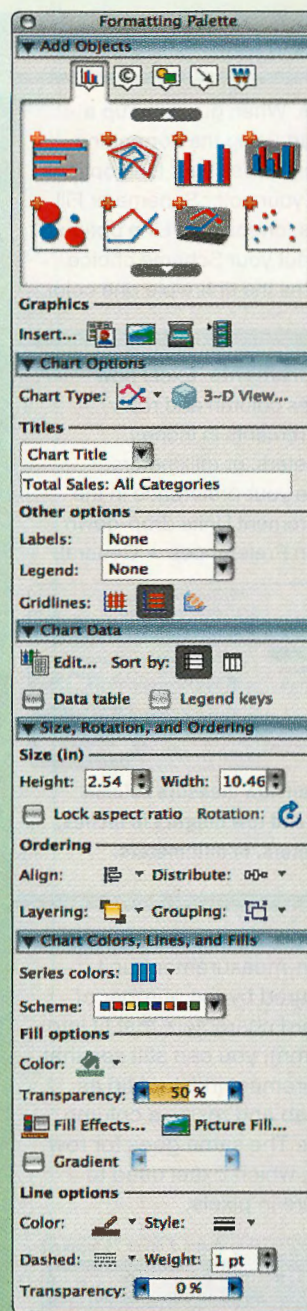
Key among these formatting tools are sliders that can vary the transparency level of most chart objects—bars, lines, pie slices, backgrounds, and more. You can also add drop shadows to lines and data markers in Line charts—and, unlike those in Excel v. X, the shadows are soft and attractive, not hard and ugly.

Microsoft has also expanded the number of custom chart types (click the Custom Types tab in the chart wizard to access them). We particularly like the 3D Anodized Pie style, which creates a chart with sections that look not unlike slices of an iPod mini, and Radar Rockwell, which appears to be tracking alien spacecraft.

➔ Print Using Page Layout View

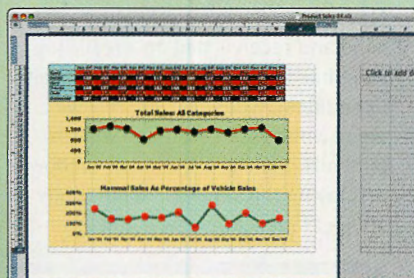
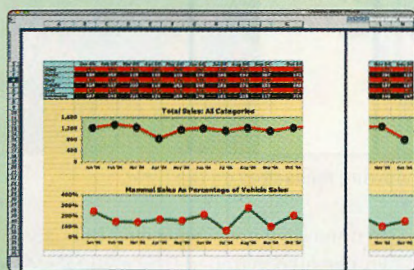
In Excel v. X, formatting a spreadsheet or chart to fit *juuuust* right on a printed page was an exercise in trial and error. The new Page Layout view makes this process less tedious.

Page Layout is a fully editable view—in fact, it's the default view when you open a new Workbook (you can change this option in Excel > Preferences > View). In Page Layout view you can enter and massage data, create charts, click and drag horizontal and vertical rulers to change margins, and use the contextual Formatting Palette to change page orientation, tweak print scaling by percentage, or fit a chart within a chosen page range.—RM



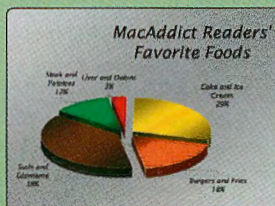
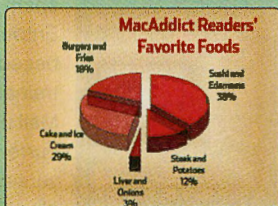
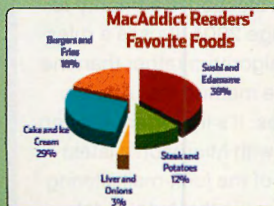
Formatting Palette

The new Formatting Palette provides scads of chart-customizing tools.

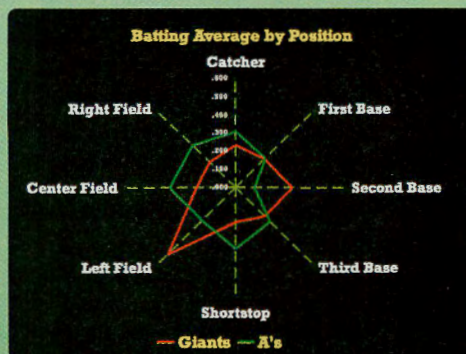


Charts This spreadsheet was too big to print on one page (top), so we resized its columns in Page Layout view to shrink it to fit (bottom).

will on Excel's standard charts. After you create a chart with the familiar chart wizard, simply select it, and a Chart Colors, Lines, And Fills pane will appear on the Formatting Palette. Here you'll be treated to a plethora of charting choices



Pie Charts Rev up a pie chart by using a predefined color scheme (left); using Fill Effects to add a gradient background, then adding transparency (center); or choosing a Custom Type such as 3D Anodized (right), which unfortunately changes the pie slices' orientation.

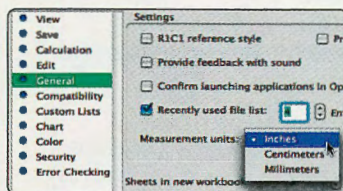


Radial Charts The new Radar Rockwell chart type has an Area 51 feel.

Quick Tips

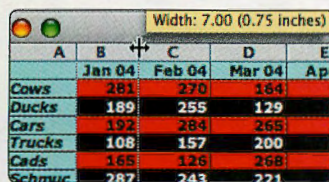
Charts When gussying up a pie chart using the Formatting Palette, choose your Line options before your color Scheme or Fill options; choosing a Line option wipes out your Scheme choice and turns the entire pie one color.

Measurements Excel now provides column and row measurements in inches, centimeters, or millimeters. Choose your preference in the Measurement Units drop-down menu in Preferences > General.



Excel can now measure column widths and row heights in inches, centimeters, or millimeters.

Tradition If you prefer the old column-measurement unit (measured by the number of standard characters that fit into a column), you can still see that measurement in a tool tip as you grab and resize a column header. The same goes for row height, which Excel used to measure in pixels.



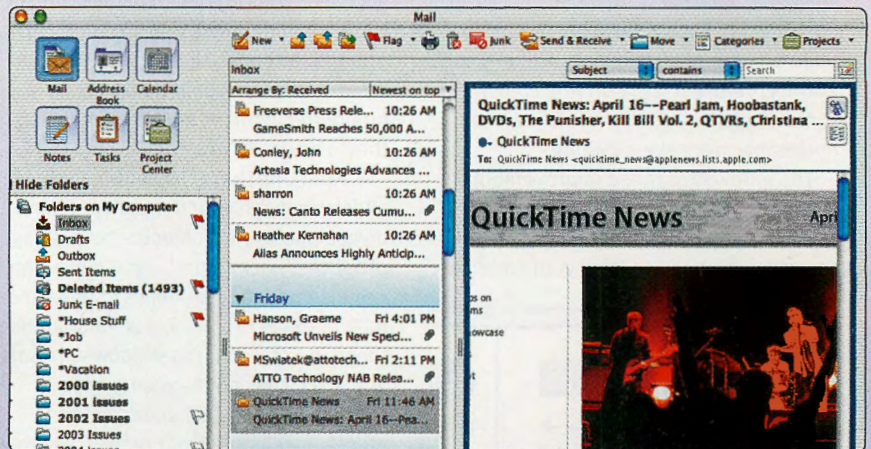
If you don't like the new way of measuring column widths, a tool tip shows you the old-fashioned way.

Functions When entering a formula, you can now click a function and get help regarding its capabilities and syntax via the Paste Function dialog.



Entourage

Project organizer, improved junk-mail filtering, and a new way to look at email



Email Spice up your email experience by previewing messages on the right.

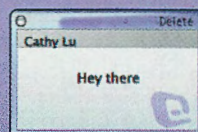
→ Look at Email Differently

We're all used to looking at our email messages one way: as a list of messages on the top, with a preview of the current message on the bottom. Entourage 2004 can flip everything on its side, literally—select View > Preview Pane > On Right to view messages on the right. Also new is the ability to view your list of messages in date-based groups (today, yesterday, last week, and so on). To turn this preference on and off, go to View > Arrange By > Show In Groups.

In the Arrange By menu, choose Edit Custom Arrangements to create custom groupings for your email messages. For example, you can tell Entourage to group your messages by subject, sort your groups by date, and sort items within groups by date, thus giving you a way to view your messages by threads, with the most recent ones on top. Once you create a custom arrangement, click the Arrange By column header above the messages to choose a view quickly.

→ Screen Email

Entourage now allows you to see who's sending a message before you bother



Email This window tells you whether an incoming message is naughty or nice.

to open your email window—but only if you've also installed Office 2004's MSN Messenger. If you've set Entourage to send and receive mail on a recurring schedule (Tools > Run Schedule > Edit Schedules), whenever you receive an email while your Entourage window is minimized or closed, a small window displaying the sender and message subject fades into view in the lower-right

Quick Tips

Archive You can now archive all or parts of Entourage. Just go to File > Export and select what you want to archive—a certain project, category, just your mail, or the whole shebang.

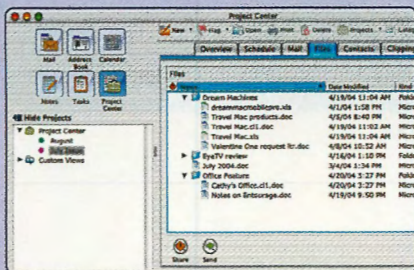
Junk Filter Although junk-mail filtering wasn't working at press time, Microsoft promises that spam protection is a priority for Entourage 2004. It uses a rules-based algorithm rather than the trainable method that Apple's Mail uses. It's important to keep current with Microsoft's latest version of the junk-mail filtering algorithm via the AutoUpdate feature (Help > Check for Updates).

corner of your screen, then fades out after a few moments. If you get several messages, a series of boxes displaying each message appears, one after another.

Even better: Clicking the Delete button in that little window deletes the message, and clicking the subject line opens the message, all without opening the main Entourage window.

➔ Set Up a Project

Entourage 2004 houses the Office-wide Project Center, which lets you keep all tasks, schedules, email messages, files and other bits and bobs in one place. Go to Project Center by clicking its button in the upper-left corner, then click and hold the New button and select Project from the drop-down menu. From there, Entourage plays 20 Questions, asking you to name the project, provide a due date, and perform other customizations. You also need to create Project Watch Folders—one to hold all project-related



Project Center Project Center offers a quick way to launch files.

files, and another to hold the email you want to associate with the project. If you've already organized your project files and emails into folders, all you need to do is choose those folders as your Project Watch Folders. Otherwise, let Entourage create new ones. You can also import items from categories or another project, as well as identify contacts and certain message subjects to associate with the project.

To associate any future email message with a project, highlight the message and use the Projects pull-down menu in the upper-right corner. (Adding it to the Entourage Watch Folder or clicking the Add button in the Project Center interface also works.) When using Word, PowerPoint, or Excel, you can associate a file with a project or access a project using the toolbox's Projects pane.—CL

PowerPoint

Cool new effects, better drop shadows, and crib notes for your presentations

➔ Give Presentations More Pizzazz

Microsoft has more than doubled the number of Entrance, Exit, and Emphasis effects, allowing you to create and manage multiple animations on text boxes, bullets, or objects, as well as add 3D slide transitions to segue between slides à la Apple Keynote. Plus, check out the 30 new audio effects, including Bongo, Horn, and Shave And A Haircut.

To give slides some splash, load them up with effects using the Slide Show > Custom Animation dialog. Here are a few effects to consider.

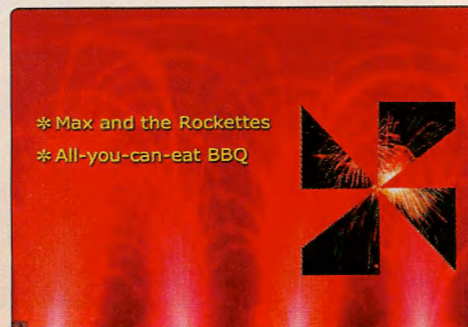
Whiz-Bang Title Sequences To add multiple effects to your title, select it from the Select To Animate window, click the Add Effect button, and choose an Entrance, Emphasis, or Exit effect. Add as many effects as you desire and choose the order in which they execute with the up- and down-arrow buttons to the left of the Animation Order window.

Bullets with Color Select the text box containing your bullet points in the Select To Animate window; click Add Effect; click the Emphasize tab; and select a subtle color, sizing, or graphic effect.

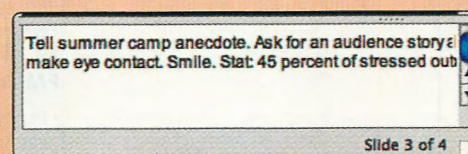
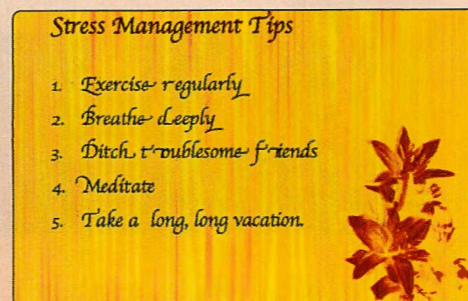
Animations Choose the animation you want to use, then use the up and down arrows to move the graphic between the bullets you want to interrupt.

➔ Check Your Notes

If your mouth turns to cotton when you're



Animations Here we've interrupted our flying bullets with a flashy spinning fireworks display.



Notes The audience sees only your slides (top), but you can read your notes (bottom).

speaking in public, Presenter Tools can help. While the audience sees only your slides on a second monitor or projector, you get the benefit of all your notes on your own display. To access this view, go to Slide Show > View Presenter Tools.—NR

Quick Tips

Align To align objects precisely, use the Align or Distribute feature. Activate the Drawing toolbar (View > Toolbars > Drawing), click and hold the draw button (the icon is an A over a block), and choose Align or Distribute from the resulting menu.

Images Jazz up an image with Photoshop-style filters such as Emboss, Film Grain, and Dry Brush. Select an image, go to the Formatting Palette's Image section, and click the Effects button.

PowerPoint

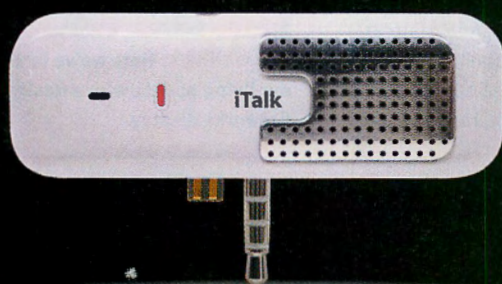


The MacAddict editors fear that Office will soon render them all obsolete.

You listen to your iPod every day, Now your iPod can listen to you.

The creators of iTrip now introduce the **Griffin iTalk** iPod Voice Recorder. Plug iTalk into your iPod and record thoughts, ideas or meetings with its high quality built-in microphone.

Play back your voice memos or music through iTalk's built-in speaker. You can even connect a separate mic or your headphones into iTalk. So talk all you want, iPod will listen.



iTalk

Voice Recorder for iPod

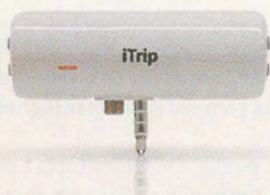
\$39⁹⁹

- Turns iPod into a full function voice recorder
- Internal microphone and laptop quality speaker
- Connect external microphone or headphones
- Automatic Level Control for perfect recordings

iTrip

FM Transmitter for iPod

\$35



- Play your iPod's music wirelessly in your car or through your stereo at home
- Uses any empty FM station from 87.7 to 107.9 - switchable from the iPod itself
- iPod powered & earth friendly - no batteries needed or wasted ever
- Fits beautifully to top of iPod - no messy cables to get in the way



iMic

USB External Sound Card

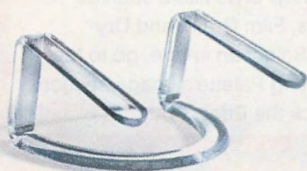
\$39⁹⁹

- Adds superior quality audio recording & playback to any Mac via USB
- Includes everything needed to record albums and tapes to make MP3s & CDs
- Works great with GarageBand & iMovie

iCurve

PowerBook & iBook Stand

\$39⁹⁹



- Raises notebook screen to eye level - no more sore neck from looking down
- Creates room on the desktop for your favorite USB keyboard and mouse - wireless versions work great
- Keeps your notebook running cool (and loud fans off) with 360° airflow

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AWESOME

You'll be blown away.

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GREAT

You'll be impressed.

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SOLID

You'll be satisfied.

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●●○○○

SO-SO

You'll be disappointed.

MacAddict RATED

●○○○○

LOUSY

You'll be pissed off.

Feast your eyes on the best affordable digital camera we've ever had the pleasure of posing for: Nikon's D70 SLR. We also took a close look at another way-cool digital camera, Contax's stylin' SL300RT*—in fact, so many new digital cameras are appearing every day that we'll use the new FileMaker Pro 7 database software to keep track of them. After camera-inventory wrangling, we enlisted the EyeTV 200 to capture hours and hours of teevee goodness, which we thoroughly enjoyed watching after a few spirited rounds of Command & Conquer: Generals, Rayman 3: Hoodlum Havoc, and Total Immersion Racing.

- 58 Command & Conquer: Generals real-time strategy game
- 48 Contax SL300RT* 3.2-megapixel camera
- 50 D70 Digital SLR camera
- 53 EyeTV 200 digital video recorder
- 46 FileMaker Pro 7 database software
- 56 Interarchy 7.0.1 FTP client
- 54 iStopMotion 1.3 animation software
- 57 Rayman 3: Hoodlum Havoc arcade-style game
- 56 Snapz Pro X 2 screen-capture utility
- 52 Studio Artist 3 art synthesizer
- 53 Sweet MultiPort FireWire and USB port access
- 55 Total Immersion Racing racing sim
- 54 TuneCast II FM transmitter for iPod
- 49 Z-680 5.1 surround-sound speaker set

PLUS:
TheHotList

59 The best of the best from recent reviews.

X Compatible with Mac OS X or later.

9 Compatible with Mac OS 9 or earlier.

EDITORS' MacAddict CHOICE

We'd spend our own hard-earned money on this product.



FileMaker Pro 7

APPLE'S DATABASE SOFTWARE, ALL GROWN UP AND RELATIONAL

In the extended family of database software, FileMaker Pro has historically been the weird cousin: slow and unable to handle large amounts of data, with a wildly, um, *different* relational model to boot. But it was also insanely easy to understand and use, and it let average shmøes quickly build effective solutions to their data-wrangling problems—hence its success.

FileMaker Pro 7 is the same weird cousin, but it's since received a haircut, a suit, and a serious expression. It means business, but it's still almost as friendly.

After years of hounding by database developers, the folks at FileMaker have finally rebuilt their database engine from scratch, resulting in FileMaker Pro's biggest changes since version 3

introduced relational capabilities back in the mid-90s. In version 7, you can finally pack more than one table into a database file, so you no longer need multiple files for one implementation. Want to compare the results of two complex Find queries side by side in two different layouts? Now that you can open multiple windows showing the same database, that's not a problem. And now that all relationships are bidirectional, they no longer require exactly matching key fields—plus, data is visible even if it's more than one relationship away. Structurally, FileMaker Pro 7 finally acts like sophisticated database software.

Now that the software has gone more traditionally relational, it packs a relationships graph that'll give even the most jaded database developer a warm-'n'-fuzzy feeling. Tables have connecting lines that indicate the relations between them; the relationships graph looks a lot like what data geeks call an *entity-relationship diagram*. Feel free to drag those tables anywhere you want—the relationship links follow them around. You can even color-code your tables for organizational purposes

FileMaker's eleventy-zillion improvements tower over its weaknesses.

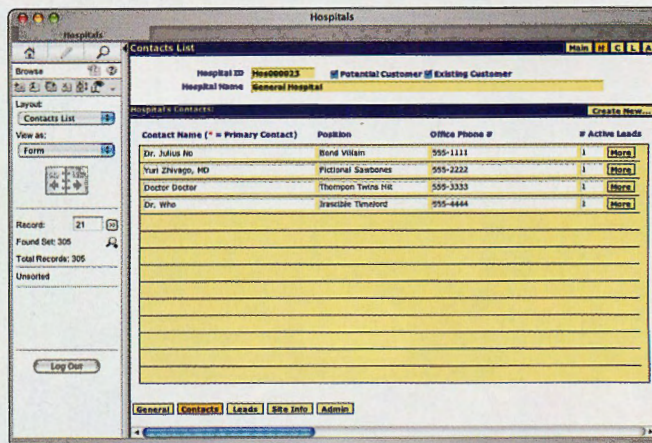
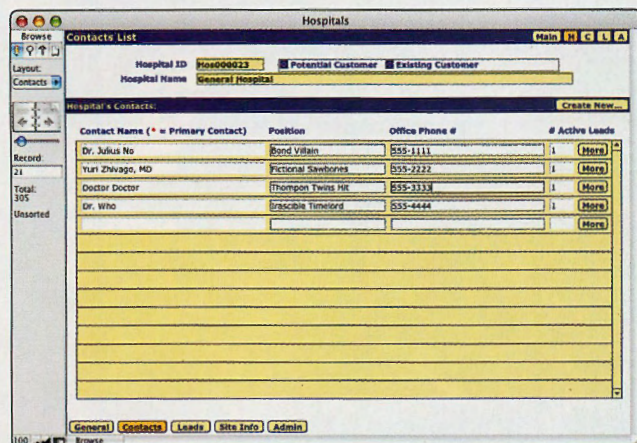
(or just because green is pretty). But the relationships graph isn't just for examining your database's structure or for wowing the boss, it also makes defining relationships as simple as clicking a field in one table and dragging it to a match-field in another.

Security has been a weak point for FileMaker Pro, but version 7 replaces the clumsy old password system with honest-to-goodness accounts and privileges. FileMaker calls the new system Enterprise-Ready, and so it is. You can now give each person at your company different user names and passwords—each with different access to specific layouts, records, fields, and so on—and administer them all without wanting to stick your head in an oven

afterward. If you spring for FileMaker 7 Advanced (\$2,499, due out this summer) to serve your databases, you can even use existing network accounts defined in a Windows domain or in Apple's OpenDirectory protocol. (See what we mean about the suit and the haircut?)

Scripting is still limited to ScriptMaker—its point-and-click script-creation method works for most people but can be restrictive for programmers. But there are improvements, including the long-awaited ability to edit a script step's options directly; these options are saved in the script step itself, which means it's finally possible to build scripts with more than one sort order or set of Find criteria—handy, to say the least.

One of FileMaker Pro's strengths is its built-in Web publishing, and version 7's Instant Web Publishing (IWP) takes the feature to impressive new heights. Most of our test layouts reproduced almost perfectly, the Web interface is darn close to FileMaker Pro's own, and FileMaker scripts are now more compatible with IWP. There are a few *gotchas*, however: IWP uses some hairy CSS/Javascript, which is optimized for Internet Explorer 5.x and Safari 1.1, to do its thing (a quick test in a Mozilla-based browser revealed both layout and functionality problems). If your FileMaker Pro layouts include funky things like overlapping fields, you may notice entire fields missing when you try them in IWP. Still, it's amazing



On your desktop (left) or on the Web (right), FileMaker Pro 7 is more useful, powerful, and relational than ever.

how closely IWP replicates the FileMaker experience under most circumstances.

In addition to pictures, movies, and sounds, container fields can now store any kind of file. We tried Photoshop files, Word documents, and—why not?—even old FileMaker Pro databases; in all cases, a simple Control-click let us export a stored file, fully functional, back to our Mac. In IWP, the stored files appeared as links; clicking them downloaded the files to our Desktop directly via our browser. Pretty slick.

FileMaker Pro has never been the speed demon of the database world, but considering its shiny new engine, we had high hopes for improvement. We loaded up 27,745 records of real-world data on a few different Macs and ran some calculated text replacements on indexed text fields. FileMaker Pro 7 consistently finished our limited tests about 60-percent faster than version 6 on the same hardware. We'd hoped for better—OK, so we're greedy—but a 60 percent raw-performance boost is nothing to scoff at. Development speed is important too, and nothing beats FileMaker Pro for getting a usable database implementation off the ground quickly. By the way, if you never bothered upgrading from version 5.5, the speed improvement is a little more dramatic: In our testing, FileMaker Pro 7 is about three times as fast as 5.5.

There are a few rough edges we should mention. For one, FileMaker Pro still doesn't recognize our mouse's scroll wheel. Secondly, printed documentation is just passable; the slim tutorial does a decent job of getting new users up and running, but the manual is a bit skimpy. Thirdly, the upgrade removes some functionality of the previous version; if you utilize FileMaker Pro 6's ODBC/JDBC capabilities, take note of the fine print

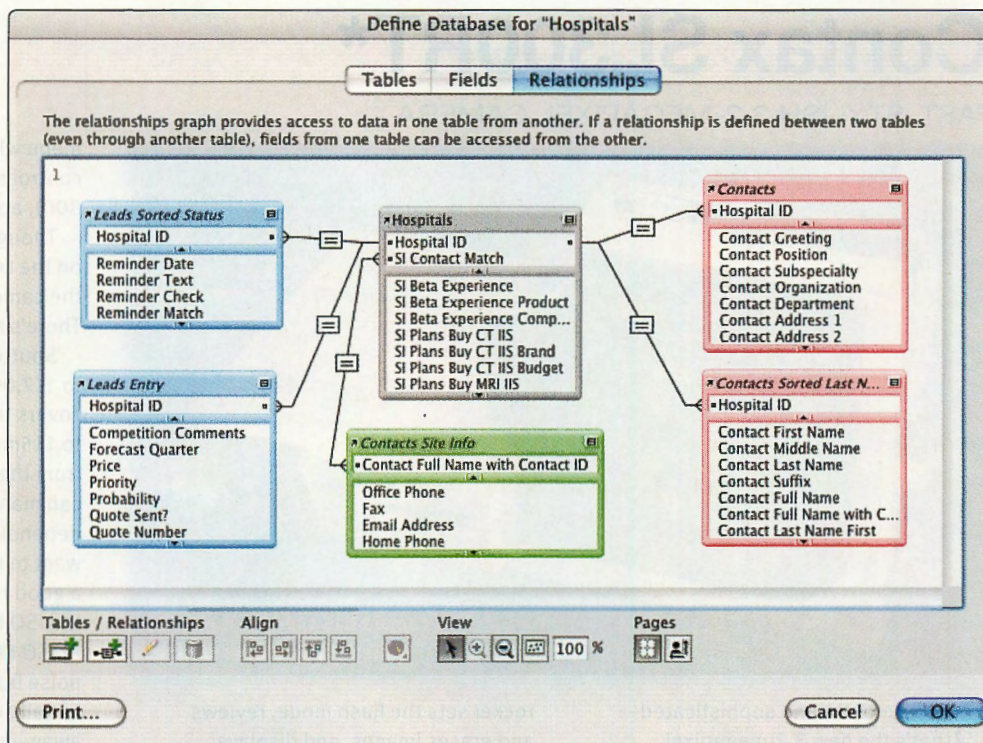
on the box: "FileMaker Pro 7 cannot be used as an ODBC or JDBC data source on Mac OS X."

Overall, Filemaker's eleventy-zillion improvements tower over its weaknesses, but if you plan to upgrade, take note: To work its magic, FileMaker Pro 7 uses a completely new and incompatible file format. That's not a problem if you run standalone databases, but if you share them over a network, upgrading one person requires upgrading them all. If you use FileMaker Server, you'll have to upgrade that too—and since it won't be available until this summer, don't jump the gun on the client side.

Speaking of the new file format, FileMaker Pro 7 does a nice job of automatically converting simple older databases (we even successfully converted one from FileMaker Pro 3!). However, the converted files won't take full advantage of 7's improvements without some work on your part. We converted a five-file relational implementation from .fp5 to .fp7 by dragging the whole folder onto FileMaker

Pro 7; the converted databases worked fine for the most part, but of course the tables stayed in five separate files instead of merging into one. Reworking existing database implementations can be a major undertaking, however: The software comes with a PDF that outlines strategies and issues for those who want to consider recreating their databases so that they can "remove obsolete functionality and get the full benefit of the improvements." And guess what? That PDF is 82 pages long. Homework time!

In all, FileMaker Pro 7 represents the database software's maturation from adolescence to maturity, with all the associated pros and cons. Think of the difference between FileMaker Pro 7 and version 6 as the difference between Mac OS X and Mac OS 9: New users will jump right in and have a blast, while upgraders will suffer some growing pains as they learn to tap into FileMaker Pro 7's new capabilities. In the end, though, the hassle pays off in flexibility and power.—*Jack Miller*



FileMaker's new relationships graph lets you map out a relational database.



COMPANY: FileMaker
CONTACT: 800-325-2747,
www.filemaker.com
PRICE: \$299, \$149 (upgrade)

REQUIREMENTS: G3 or faster
 (no upgrade cards), Mac OS 10.2.8 or
 later, 128MB RAM

GOOD NEWS: Intuitive relationship graphs.
 Supports massive, multitable databases.
BAD NEWS: New database engine and file format
 create upgrade problems. Not backward compatible.

MacAddict RATED

GREAT

Contax SL300RT*

FAST, STYLISH 3.2-MEGAPIXEL CAMERA

PHOTOGRAPH BY MARK MADEO



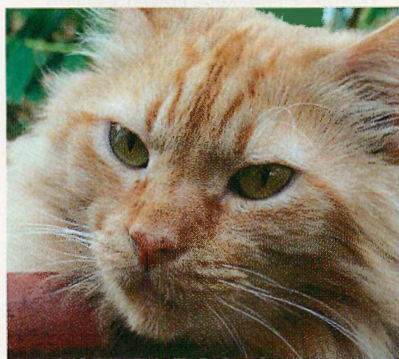
This camera has speed to match its racy black-leather styling.

Slick, smooth, and sophisticated—that's the new 3.2-megapixel Kyocera Contax SL300RT*, a 4.4-ounce, deck-o'-cards-sized magnesium beauty accented in grained black leather. With its needle-sharp Carl Zeiss Vario-Tessar zoom lens that swivels for easy image framing, easy controls, and superb picture quality, it's a style-conscious point-and-shooter's dream.

Where this camera really leads the consumer-cam pack is in its ability to machine-gun as many shots as your SD card will hold, all at 3.5 fps at highest resolution and best quality, without pausing for processing—although you need to buy a high-speed card such as SanDisk's 256MB Ultra II (\$119.99, www.sandisk.com) to get that speed (only a standard 16MB card ships with the camera). Shoot in this motor-wind-like mode, and you can pick perfect images from a multiple-shot sequence and toss the rest. Sports and squirming kids no longer present a photo challenge.

Mode selection is also unique. Mini icons representing setup, review, capture, burst, and movie (up to 30 fps) modes light up above the 1.5-inch LCD display as you select them with a forward or back button. A four-way

rocker sets the flash mode, reviews and erases images, and displays information—all of which you confirm by pressing an OK button at center. A display button dims the bright LCD and a scene button brings up six shooting options: action, portrait, night, portrait-



This picture was selected from 36 shots of a moving cat taken in 10 seconds.

at-night, macro, and landscape.

Pressing the menu button while in capture mode pops up an onscreen bar at the bottom of the display from which you can select self-timer, resolution, quality (JPEG Fine and Normal—no TIFF), exposure compensation, and white balance. In addition, there's an in-depth

menu where you can set the exposure-control mode, ISO (100, 200, 400, and 800), aperture, and other features.

Though you can view images framed on the LCD monitor even in bright light, the camera lacks an optical viewfinder. There's also no tripod fitting.

Shutter speeds range from 8 seconds to 1/2,000 second, and the zoom range covers the 35mm equivalent of 38mm to 115mm. Program mode will choose from the full range of apertures, or you can manually set either f-2.8 or f-7.5 depending on the kinds of shots you want to take. In our testing, the flash had a good reach, especially when we upped the ISO to increase light sensitivity. At ISO 800, we picked up some digital noise but the flash was powerful enough to nail an image from almost 20 feet away—great for group shots. Battery power is fair; we got about 110 no-flash shots before it needed a recharge.

The camera delivered excellent image quality, with rich, saturated color and a wide dynamic range that showed good detail in both highlights and shadows. There was, however, some purple fringing when we shot darker objects (such as tree branches) against a bright sky—an unfortunate characteristic of most digicams.

Other nifty features include audio with movies, voice annotation with stills, in-camera resizing for emailing or Web posting, and a lens adapter that takes 28mm filters. Kyocera warns against using auxiliary lenses with the adapter, but we found that most of our wide-angle and telephoto add-ons—many made for early Nikon 900-series digicams—worked perfectly.

There are scores of mini digicams on the market, but none is easier to use than the Contax SL300RT*. A lot of thinking went into this camera's design so you don't have to—just open your wallet and start enjoying swift and stylish point-and-shoot digital photography.—Arthur H. Bleich

CAT PHOTOGRAPH BY ARTHUR H. BLEICH



COMPANY: Kyocera Optics
CONTACT: 800-526-0266,
www.kyoceraimaging.com
PRICE: \$499

REQUIREMENTS: USB-equipped
Mac, Mac OS 8.6 or 10.1 or later

GOOD NEWS: Fast. Easy to use. Compact yet feature-rich. Excellent picture quality.

BAD NEWS: No optical viewfinder. No tripod receptacle. Mediocre battery life.

MacAddict RATED
●●●●●
GREAT



This impressive-looking gang of speakers brings Mac audio to crisp new highs—and earth-shaking lows.

PHOTOGRAPH BY MARK MADEO

provides the degree of overkill that separates audio addicts from recreational listeners. However, if your desk is in a small room or a room without sound-dampening carpet, the satellite sounds tend to get in each other's way and muddle the channel separation. In our carpeted 15-by-15-foot room, the overkill was perfect: Massive bass and sound from everywhere added a whole 'nother dimension to Unreal

Z-680

AWESOME 5.1 SURROUND-SOUND SPEAKER SET

Logitech's Z-680 speaker system bridges the gap between desktop speakers and full-on home theater. The set combines THX-certified six-channel surround sound via onboard Dolby Digital and DTS hardware decoding, and fits in a small office yet can fill a large room with rich sound. If you don't have a multichannel source, no problem: The Z-680's Dolby Pro Logic II apes decent 5.1 surround sound out of stereo music, games, and movies that haven't been surround-encoded.

Now that we have optical S/PDIF (Sony/Philips Digital Interface) audio ports on our Power Mac G5s, swank speaker sets such as the Z-680 are plug and play. Just plug everything into the foot-square subwoofer: four satellite speakers, the center-channel speaker, and the Apple Newton-sized wired remote (er, Digital SoundTouch Control Center), and you're good to go. If you don't have a G5, audio adapters such as M-Audio's Revolution PCI and Sonica Theater USB (both \$119.95, www.m-audio.com) can pipe the 5.1-channel audio signal from Apple's DVD Player utility to the Z-680's onboard decoder. We tried the Sonica Theater USB

with a PowerBook and got the same great sound.

Back to that wired remote: It's huge and sports a short, 6-foot cord that's as thick as a pencil and almost as stiff. But we love it anyway because in addition to speaker controls, it bears all of the audio-input jacks: digital coaxial, optical S/PDIF, and analog six-channel direct on the back, plus an analog 1/8-inch audio-in minijack up front. The latter is next to an audio-out minijack that cuts off the speakers when you plug in your headphones—a smart touch. Smarter yet, you also get a wireless remote that handles all of the SoundTouch's control functions.

The system's 505-watt RMS (1,000-watt peak) doles out a honkin' 188 watts to the woofer, 62 watts to each satellite and 69 to the center. Logitech boasts that its competitors present misleading RMS values—and the competition says the same thing about Logitech. We're more concerned with sound—these speakers sound fantastic, with earth-shaking bass and satellites that push enough crisp high-end and mid-range sound to keep up with it.

As a desktop system, the Z-680

Tournament 2004. Just don't expect true surround sound—there's currently no way for your Mac to produce the necessary signal.

For the real surround-sound deal, pop a modern DVD movie into your SuperDrive. Apple's DVD Player passes the multichannel signal straight through to the speakers' onboard decoder. War flicks such as *Apocalypse Now* and *Saving Private Ryan* are particularly impressive. Bullets whiz by from every direction, tanks and heavy vehicles rumble into your living room, and when big ordnance goes boom, you feel it through the floor. We wish our games and music could get the same treatment, but unless—or until—Apple licenses Dolby's encoding technology, we'll make due with the Z-680's full, well-balanced sound and interpolated surround.

We have one small beef with these speakers. The provided satellite wires have crimped ends for easy connecting, but they're low-gauge and a bit short (three 15-foot lengths and two 6-foot ones) for this system's sonic capabilities. We tried Monster Cable's Original Clear Jacket speaker cable (\$49.95 per pair of 20-footers, www.monstercable.com), which gave us some extra length and made the speakers sound even better. If you can afford this system—and better cables—the Z-680 will thrill you.

—Niko Coucouvanis



COMPANY: Logitech
CONTACT: 800-231-7717,
www.logitech.com
PRICE: \$399.95

REQUIREMENTS: Audio source with optical, coaxial, six-channel direct, or 1/8-inch minijack connection

GOOD NEWS: Awesome sound with or without true surround. Handy wireless remote.

BAD NEWS: True surround sound with games ain't happening. Deserves better speaker wire.

MacAddict RATED
●●●●●
AWESOME



High-speed operation, killer color accuracy, fine-tunable focus, and a great price—Nikon's D70 is our new favorite camera.

D70 Digital SLR

INEXPENSIVE, BUTT-KICKIN' CAMERA

We've trigger-fingered countless digital cameras over the years, but we finally found *The One*: the Nikon D70. Though the D70 is not without a few hiccups, overall it performed amazingly well, produced gorgeous images, and was the most satisfying digital camera we've shot with to date.

The D70 is a brand-new beast in Nikon's digital SLR family—not some new, atrophied sibling dummed down from an existing model. The camera was built from the ground up and outfitted with innovative features, which makes its low price tag (low for a digital SLR, that is) quite an eyebrow-raiser. But first, the details.

The camera features a 6.1-megapixel CCD, a 1.8-inch color LCD, built-in flash with wireless sync-control capability and fine-tuning controls, a shutter speed range of 30 seconds to 1/8,000 second, manual and preset white balance modes with fine-tuning, an ISO range of 200

to 1,600, histogram and highlights displays, 5-point autofocus (AF), AF-assist illuminator, auto image rotation, and more. It captures RAW (NEF) and JPEG file formats—not TIFF—and supports CompactFlash Type I and II, and Microdrive media. It ships with an incredibly long-lasting rechargeable

battery and charger, a CR2-battery holder (for use with disposable CR2s if you're in a pinch), a neck strap, USB and video cables, and Nikon's PictureProject software.

Compared to Canon's Digital Rebel—another sub-\$1,000 digital SLR we liked (see *Reviews*, Mar/04, p48)—the D70 is a better-featured, better-performing camera, and its polycarbonate body is a helluva lot sturdier than the flimsy-feeling Rebel. The D70's most impressive feature was its sheer speed—not only were we able to shoot continuously without ever hitting a buffer snag (it can shoot up to 3 frames per second in JPEG Normal mode, and 144 consecutive frames in this mode if you've got a SanDisk Ultra II CF card), but also the camera was ready to go at the flick of its On switch. Seriously. The moment we turned on the camera while holding down the shutter, the thing began snapping away.

The D70 also allows you to customize which settings you see in the camera's menu to match your current skill set—either simple controls if you're an SLR newbie or the full-on parade of bells and whistles if you're an experienced photographer. And if you don't know ISO from AF Assist, the camera has a handy help button, which flashes a description of a selected setting on the LCD when pressed—and you thought only television and Mac magazines could educate you. If you're new to camera settings or need to dial up settings quickly, the camera offers seven scene modes (or, as Nikon calls them, Digital Vari-Programs), including Auto, Landscape, Close-Up (macro), and Night Portrait. The usual programmed-auto,



Full manual control allows you to get more creative; without it, you'd have had to settle for the auto exposure (inset).

The D70's auto white balance had a penchant for the blues when it saw sun—though we liked the coolness it gave this shot.



Once we took over the controls, the D70 consistently cranked out clean exposures with real-world color.



Though it's often hard for any camera to keep reflective highlights in check, the D70 captured a great range of detail.

aperture priority, shutter priority, and manual shooting modes are available for seasoned shooters, along with a full gamut of tweakable color, sharpening, exposure, and focusing controls.

We shot with the D70 Outfit, which includes an AF-S DX Nikkor 18mm to 70mm lens (the camera accepts most Nikkor F-mount lenses). The body felt good in our hands, and it's fairly lightweight. Its various buttons and dials provide easy access to most of the basic functions, and you can see the current settings clearly via the top LCD panel or in the crisp viewfinder. However, we were puzzled by some of the D70's controls—it took us a few tries to figure out how to accomplish common feats (OK, so we seldom read manuals). For example, to zoom in on part of an image during playback, you have to press the Enter button to zoom in, hold down the thumbnail button, use the dial to fine-tune the zoom ratio, and then use the multi-selector to navigate to the target area.

The D70's auto-focusing was fairly fast, and we really liked that we could manually fine-tune focus on the fly via the lens focus ring without having to put the camera into manual focus mode. But with Close-Up—mode shots, we sometimes had a hard time telling which of the five AF indicators was the selected focal point in the viewfinder since the highlight is overly subtle—we often had to take a peek at the LCD panel to see which point was active.

In full Auto mode, the camera produced excellent-quality images—beautiful exposures with good detail and sharpness. However, the auto white balance didn't work as well as we'd hoped; outdoors in full sun, many of our photos displayed slight cyan-to-blue colorcasts. We got better Auto results indoors. When we used the camera's white-balance options and settings of our own making, the D70 produced accurate color across the board.

Once we climbed into the driver's seat, we let our creative mind rule and got fantastic results—even with some of our more wacko settings (we used supertight apertures and long shutter speeds to capture motion in full light). Exposures were consistently even, color was great, and detail and clarity were excellent. Even though the camera's lowest ISO setting is 200, our images came out squeaky clean.

One problem we've heard about and seen from a couple of fellow photographers is the D70's moiré glitch possibility (a rippling artifact pattern that can crop up on repetitive-patterned subjects, such as tiled rooftops, striped ties, and the like). In our two-week testing period, none of our images displayed moiré, so we tried to replicate the problem by shooting a series of tiled rooftops. We still couldn't replicate the problem, but we saw images taken by others where it appeared.

Still, despite its few bumps, we award the D70 with the sash and tiara for its excellent image-quality, speed, reliability, and wealth of features for the price. We love it—and we'd buy it.

—Kris Fong



COMPANY: Nikon
CONTACT: 800-645-6687, www.nikonusa.com
PRICE: \$999 (Set; body only), \$1,299 (Outfit; includes AF-S DX Nikkor 18mm to 70mm lens)

REQUIREMENTS: USB-equipped Power Mac, Mac OS 9 or later (Mac OS 10.1.5 or later required to use PictureProject software)

GOOD NEWS: Excellent image quality. Awesome buffer handling and battery life. Great features.

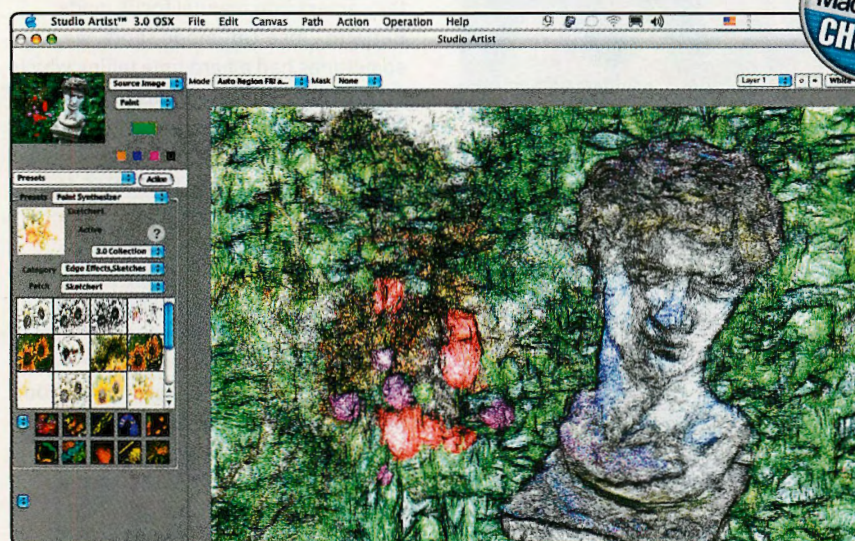
BAD NEWS: Auto white balance needs some tweaking. Hard-to-see AF indicators.

MacAddict RATED

AWESOME

Studio Artist 3

DELIGHTFULLY WACKED-OUT ART SYNTHESIZER



We converted a photo into this artwork with a single click—and with Studio Artist's 3,000-plus presets, we'll be clicking for years to come.

In the world of computer graphics software—Mac or PC—true originality is a hard thing to come by. For years, however, Studio Artist has been yet another good reason to own a Mac and not a PC, as there is simply no Windows equivalent. A special effects package, a uniquely endowed animation tool, the coolest bitmap-to-vector converter in the known universe—Studio Artist is a deep, fun world of visual exploration, full of surprises and gorgeous possibilities.

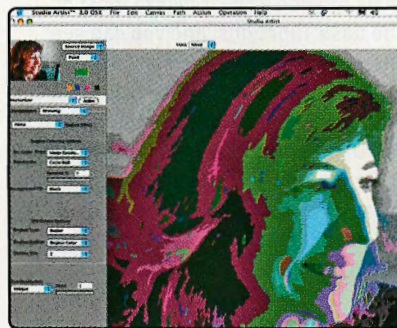
With extremely humble system requirements, Studio Artist allows you to transform existing images or QuickTime movies into oil paintings, stained glass windows, pencil sketches, or any other kind of visual style you can (or can't) imagine. Alternately, you can start with a blank canvas and paint freeform using some of the most extensive Wacom tablet support offered by a graphics program. There are more than 3,000 preset effects and an almost

overwhelming level of customization under the hood of this app's powerful visual

synthesis engine.

While not a radical upgrade, version 3 offers some cool new features and a smattering of tweaks. But even though the interface has been somewhat finetuned and tightened up, this is still not a program you can master in a day or two. To that end, the app ships with three CD-ROMs packed with excellent QuickTime-based video training, along with extensive PDF-based documentation.

Topping the list of new additions is the Vectorizer, which does an amazing job



Studio Artist delivers some of the best bitmap-to-vector conversions around, including custom colorization schemes.



of converting bitmapped images into vector graphics. Need to convert some QuickTime video to stylized, color vectors, and then output the results as a series of EPS images easily importable into Flash? No problem—and the range of controls for determining the look and style of the transformation is nothing short of astounding. A variety of options for pre-filtering a bitmapped image allows you to produce very clean EPS conversions. Plus, you can create convincing, photo-realistic vector renditions of photographic source images, as well as stunning motion picture special effects.

The main event in Studio Artist is the Paint Synthesizer, which provides an arsenal of brushes and paint styles that boggles the mind. You haven't lived until you've painted on your Mac with ParticlePaint, a downright frightening feature that melds a full 2D particle system with a paintbrush. Drag your mouse or pen across the canvas, and the paint stroke grows, as if alive, with tendrils of color branching out like pixilated spider webs. If the description sounds strange, the actual process is even more bizarre—but it's also addictive and fun. The new MGS (Modular Graphics Synthesis) architecture lets you build custom paint tools from combinations of Paint Synthesizer, filtering, and warping effects.

The already extensive warping and morphing toolset has been significantly expanded, with vector-based splines, improved control over keyframing effects for animation, and alpha channel support. Studio Artist's morphing tools have reached the stage where they make a decent replacement for the now defunct Elastic Reality morphing/warping software. Animators rejoice: Studio Artist is now truly an important video and animation powerhouse.

Learning curve aside, if you produce visual content on a Mac, get this program.—David Biedny



COMPANY: Synthetik Software
CONTACT: 866-511-9971,
www.synthetik.com
PRICE: \$379, \$179 (upgrade)

REQUIREMENTS: Power Mac,
Mac OS 8.6 or later, 32MB RAM,
QuickTime 6

GOOD NEWS: New Vectorizer capability is second to none. Expanded alpha channel support. Live video input.
BAD NEWS: Takes time and effort to learn intricacies of tools.

MacAddict RATED
●●●●●
AWESOME

EyeTV 200

HIGH-QUALITY DIGITAL VIDEO RECORDER

We've always loved the EyeTV's ability to bring TV and TiVo-like capabilities to your Mac. The EyeTV 200 is El Gato's next step up and another reason to avoid doing *real* work.

EyeTV 200's biggest additions—MPEG-2 encoding and a FireWire interface—provide much-improved video quality compared to the original EyeTV, which used MPEG-1 encoding over USB. The new EyeTV also features a stylish new silver casing and remote control.

What hasn't changed is its easy integration with the online TitanTV programming guide, which lets you look up local programming and set recording times. You can still pause and rewind live TV à la TiVo; just keep in mind that

each hour of recorded EyeTV 200 content eats up about 2GB of hard-drive space (as opposed to the original EyeTV's 650MB).

When it comes to setup and performance, however, the EyeTV 200 gets a little wacky. After we tuned the EyeTV, we got a "no signal" message, which we fixed by unplugging the device, quitting and relaunching the EyeTV app, then replugging-in the EyeTV.

Also less than ideal is the EyeTV's performance when changing channels—if the EyeTV's not getting a good signal



Discover your inner reality-TV-show buff with the EyeTV 200.

via an antenna, it can choke when you try to flip away from that channel. Closing and reopening the live TV window fixes the problem.

Despite its troubles, we still love the EyeTV 200—and based on El Gato's history of continually refining its software, we have faith that it'll soon fix these problems.—Cathy Lu



COMPANY: El Gato
CONTACT: www.elgato.com
PRICE: \$349

REQUIREMENTS: FireWire-equipped 500MHz G4, Mac OS 10.2.8, 256MB RAM (512MB recommended), 2GB disk space for each hour of recorded TV

GOOD NEWS: Better video quality than original. Includes much-needed remote.
BAD NEWS: Performance a little spotty. Setup a little wacky.

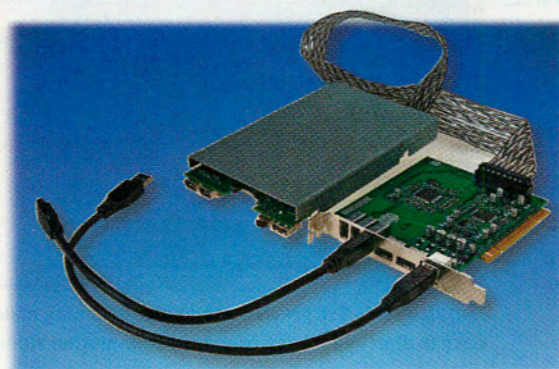
MacAddict RATED
GREAT

Sweet Multiport

CONVENIENT-BUT-KLUDGY FIREWIRE AND USB PORT ACCESS

Not the most graceful-looking rig, GeeThree's Sweet Multiport is a practical replacement for a multifunction hub, bringing FireWire and USB ports to your Mac's front panel—and occupying zero desktop space, unlike a traditional hub. Plus, it adds a five-in-one media card reader.

The Sweet Multiport consists of a PCI card, and a front-panel card that mounts in the vacant second-drive bay under the hard drive in G3 and G4 towers (GeeThree offers different mounts for each different case style). The front-panel card includes two FireWire 400 ports and one USB 1.1 port, plus enough media-card slots to accommodate CompactFlash, Microdrive, Memory Stick, Secure Digital, and MultiMediaCard formats.



Add front-mounted FireWire and USB ports to your Power Mac, and get a media-card reader in the bargain.

Installing the Multiport's front-panel card and faceplate into the Mac's façade took some effort, but it was a plug-and-play affair once it was in—no drivers required.

The PCI card has three FireWire 400

and three USB 1.1 ports. Two of each function as standard FireWire and USB ports, and the others connect to your Mac's onboard ports through provided USB and FireWire pass-through cables—an internal ribbon cable extends the datapath on up to the MultiPort's front-panel card. The ports and media-card reader worked as expected, although the small drive-bay cover of a Quicksilver Power Mac accommodated access to the CompactFlash and Microdrive slot only.

If you often crawl under your desk swapping plugs into and out of your Power Mac's rear-mounted ports, this device could be your knee-savior. Frugal shoppers, however, could spend about \$20 less by buying a desktop hub and reader à la carte.—Noah Tsutsui



COMPANY: GeeThree
CONTACT: 650-328-2359,
www.geethree.com
PRICE: \$99.95

REQUIREMENTS: G3 or G4 with available drive bay, Mac OS 9.1 or 10.1 or later

GOOD NEWS: Easy to install. Makes using external devices and media easier.
BAD NEWS: Kludgy. Quicksilver Power Mac accommodates only CompactFlash and Microdrive slots.

MacAddict RATED
SOLID

TuneCast II

UNGAINLY FM TRANSMITTER FOR IPOD

Just like Mr. Microphone, FM transmitters that broadcast your voice—or iPod music, in this case—over the radio are a great idea, but they never seem to live up to expectations. At version 2, Belkin's TuneCast barely avoids a phenomenon we've dubbed Mr. Microphonia: the cruel force that turns too many great-idea gadgets into dust collectors.

This year's TuneCast solves the main technical problem of the original (*Reviews*, Aug/03, p52) in that TuneCast II takes advantage of the full radio spectrum—from 88.1 to 107.9 (the first-gen model was limited to four frequencies), so you're more apt to find an unused frequency, which is crucial

for any transmitter's operation. With the full dial at our disposal, it was easier to find a clear signal. More important, in the chock-full-of-radio-stations San Francisco area, it was easy to retune the TuneCast as we drove around, into and out of the range of local radio stations.

You can save four frequency presets to tune in at the press of a button, and the TuneCast's two AAA batteries survived several iPod charge cycles. On



Belkin's TuneCast II is smarter than the original but no more graceful.

the downside, however, it's somewhat awkward to tote around both your iPod and a TuneCast II—nearly half the 'Pod's size—on its 6-inch cord.

—Noah Tsutsui



COMPANY: Belkin

CONTACT: 800-223-5546,

www.belkin.com

PRICE: \$49.99

REQUIREMENTS: Minijack-

equipped music player, FM radio

GOOD NEWS: Four programmable presets. Full-spectrum support.

BAD NEWS: Ungainly and awkward unless you have three hands.

MacAddict RATED



iStopMotion 1.3

COOL ANIMATION SOFTWARE

Stop-motion animation—which is created by stringing together sequences of individually shot frames—is one of the oldest forms of movie-making and one of the most tedious. iStopMotion automates the process and saves you a lot of time by capturing frames straight to your Mac's hard drive, so you can use an iSight or USB Webcam if you don't have a DV camcorder.

iStopMotion is a screen-capture utility with a full suite of video analysis tools, such as a histogram, waveform, and vectorscope. The stars of this show, however, are preview and control features for grabbing individual frames in sequence. For example, the Movie



Preview feature, which superimposes a live video image over the last frame you



iStopMotion's live previews and onion-skinning make it easy to direct your Lego friends in stop-motion videos.

captured, makes it easy to precisely position your subject for the next frame. To plan more complex sequences, such as a pan or an intricate movement, you can enable and adjust an Onion Skinning feature to sequentially display up to the last five images you grabbed. For the tightest control, the Blinking feature alternates the live video signal with your

last captured frame so that you can see exactly how the two images appear in sequence. iStopMotion can also produce time-lapse movies of, say, fog rolling in or a flower blooming.

One of the handiest features in iStopMotion is Speech Recognition: With a standard USB microphone, you can tell

your Mac to grab one, two, three, or four frames. That can save hundreds—even thousands—of trips to your keyboard to press the capture button in a 5-minute animation.

iStopMotion makes stop-motion animation fun and easy. The image quality could be better, but Boinx says it's working on that.—Rick Sanchez



COMPANY: Boinx

CONTACT: +49 89 84 005 333,

www.boinx.com

PRICE: \$39.95

REQUIREMENTS: Mac OS 10.2 or

later, QuickTime 6 or later, FireWire DV camera or USB Webcam

GOOD NEWS: Powerful shot-control features. Exceptionally easy to use.

BAD NEWS: Image quality could be better. No audio support.

MacAddict RATED



Total Immersion Racing

SMART RACING SIM WITH DUMB DRIVERS

When we first heard of Total Immersion Racing, we couldn't wait to try it. Computer-controlled opponents with their own personal characteristics, individual memories, lingering tempers, and axes to grind—yeah! Hit one of the other cars, and next time around, its driver would be boiling mad and come after you.

Sounds great, doesn't it? But now that Feral Interactive has ported the game to the Mac, it's clear that the hype is mostly hokum. Sure, opposing drivers may show you a bit of special attention now

Lack of immersion aside, this as a better-than-average racing game. You start in one of the slower cars, but you can work your way up by winning. You hear from a manager who will give you tips before and after races, and as you improve your standing, other managers come around recruiting you to drive their cars—better cars.

You have access to two cars and five tracks at the beginning, but winning unlocks up to 18 supervehicles, from Audis to McLarens. As you progress, you also unlock seven more tracks—most

are modeled after real tracks, but some are imaginary. The cars look good, and the tracks are nicely rendered. The sound isn't bad either: Engines scream and roar. Collisions are loud. Metal scrapes metal every time you bump a car.

However, even though you bump a lot, the cars miraculously—and unrealistically—show no damage.

You can bang away at other cars, block them, and ram them, but there are no consequences. While Total Immersion Racing is essentially a single-player game, it does give you the option of split-screen racing on the same Mac. So if you want to go up against a smart, angry driver, invite a vindictive friend over to race with you—that way, if you bump his or her car, you're apt to get some real action.

Total Immersion Racing falls short of its own immersive goals. And while it offers some competitive fun on the circuit, we can think of more enjoyable ways to spend forty bucks.—John Lee



Total Immersion Racing is totally fun but not totally immersive.

and then, but their actions are erratic, and they're generally as dumb as tires.

But it's not a total wash; you can still enjoy this as a good racing game, with great cars and nicely rendered tracks. Just don't expect total immersion—the AI is too easy to defeat. For example, if you nudge a car from behind or bump one off the track, that driver will retaliate later. However, all you have to do to turn the tables is slow down in front of him

and make him nudge you—he becomes the aggressor, and his anger evaporates.



COMPANY: Feral Interactive

CONTACT: +44 0 208 875 1375, www.feral.co.uk

PRICE: \$39.99

REQUIREMENTS: 700MHz G3 or faster, Mac OS 9.1 or

10.1.3 or later, 256MB RAM, 750MB disk space

GOOD NEWS: Handsome cars. Nicely rendered tracks. High-speed action.

BAD NEWS: So-called emotion-based drivers don't live up to hype.

No car damage.

MacAddict RATED



SOLID

Coming Soon
Pre-Order now at www.aspyr.com

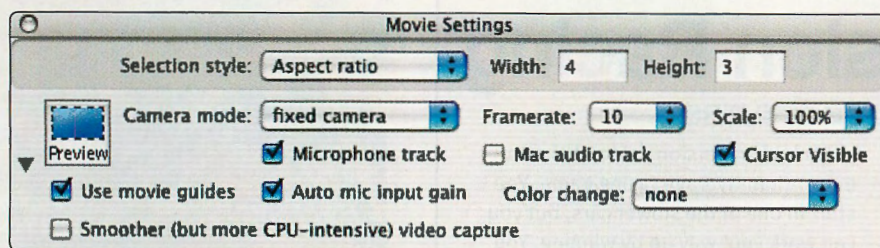
HOMEWORLD 2

YOU RECLAIMED YOUR HOME.
NOW RECLAIM YOUR DESTINY.

Control nimble fighters, massive destroyers, and the rest of your battle-ready fleet

Go online for intense multi-player action

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Snapz Pro X 2

STILL THE BEST SCREEN-CAPTURE UTILITY

We've always turned to Snapz Pro for taking screenshots—all the while cursing the app's ineptitude at capturing live-action movies of the desktop. Version 2 changes all of that: Snapz Pro can finally capture movies



without crippling the Mac it's running on.

For starters, Snapz's new Movie Settings

palette brings handy new recording options: You can capture movies full-screen or just within a selection box you define, and then save them in any QuickTime format, including Sorenson and MPEG-4.

Most important, Snapz 2 captures video without significantly slowing down your Mac. We captured a full-screen Final Cut Pro session at 30 frames per

At version 2, Snapz Pro X adds a new Movie Settings palette.

second, complete with smooth video playback, lots of cursor movement, and a microphone-

audio track. The process didn't bog down our 1.25GHz PowerBook, and the results lacked the visual glitches that marred Snapz movies in the past.

If capturing movies is your thing, Snapz Pro 2 is a slam-dunk. Even if you stick to still pics, this version offers some welcome tweaks. For example, you can see an instant preview of a still image you're about to snap, with all the compression, scale values, watermarks, and borders you're applying. Also, a floating Image Settings palette lets you change any setting up to the moment of taking your shot, which saves a few keystrokes if you decide to make a change.—*Helmut Kobler*



COMPANY: Ambrosia Software

CONTACT: 585-325-1910, www.ambrosiasw.com

PRICE: \$69, \$29 (without movie capture), \$19

to \$40 (upgrades)

REQUIREMENTS: Mac OS 10.2 or later, Quartz Extreme recommended.

GOOD NEWS: Smooth movie capture at full screen with high frame rates. Lots of capture options. Preview mode and other useful improvements for still-image captures.

BAD NEWS: Highly compressed captures slow down your Mac.

MacAddict RATED



GREAT

Interarchy 7.0.1

SOLID FTP CLIENT FROM WAAAY BACK

Formerly known as Anarchie, Interarchy is an industrial-strength FTP client that's been around forever. This is Mac-only software and you can tell—the interface is flexible and works just like the Finder: You can configure the toolbar to hold icons for the functions you use most. You can drag and drop to your heart's content. You can list local folders so you don't have to pop back and forth between Interarchy and the Finder. It's AppleScript scriptable. It supports secure FTP (SFTP and SSH), and there's even a command-line tool.

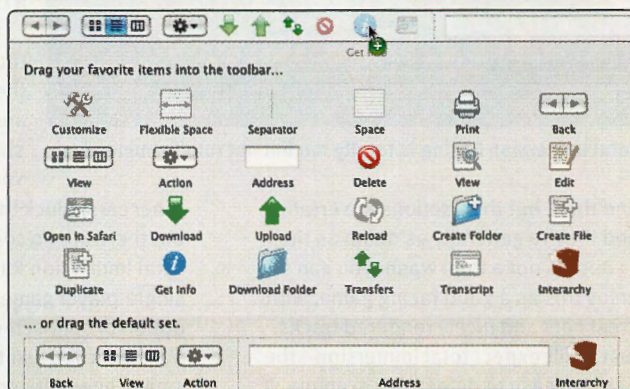
Interarchy is continually evolving. Most of version 7's new features



are actually small improvements: The interface now offers tabbed browsing. You

can now drag and drop between two FTP sites, not just a site and your local disk. Interarchy also provides a graphical interface to your Mac's built-in Unix networking tools, including whois, traceroute, DNS, MX, and so forth—and you can log and print out all that glorious info.

Unfortunately, Interarchy's power is also its main problem. Ease of use is out the window. It leaves us poor, defenseless power users (with sixteen years of experience using a gamut of FTP tools including previous versions of Interarchy) reading the documentation to figure out how to make a simple



Interarchy's customizable toolbars are just like Mac OS X's.

connection to an FTP server. It's easier to use FTP in Mac OS X's Terminal.

Interarchy is still a great FTP client and a fantastic tool for basic network monitoring. But like many mature products, feature creep has created a level of complexity that will puzzle the clueless and clue-full alike. RTFM, and keep it by your side—you'll need it.—*Mary Tyler*



COMPANY: Stairways Software

CONTACT: 650-552-9110, www.interarchy.com

PRICE: \$39, \$19 (upgrade)

REQUIREMENTS: Mac OS

10.2.4 or later, network or Internet connection

GOOD NEWS: SSH support. Interface works just like the Finder. Features out the wazoo.

BAD NEWS: Unduly complex. Our wazoo hurts.

MacAddict RATED



SOLID

Rayman 3: Hoodlum Havoc

CLASSIC ARCADE-STYLE GAME

Just about anyone who's into games has heard of Rayman. He's a limbless platform-game hero with a heavy punch, a powerful kick, and hair that lifts him like a helicopter. In Hoodlum Havoc, his first Mac appearance, Rayman still climbs and jumps a lot—and there's still plenty of humor—but there's also a heavier emphasis on combat.



Rayman 3: Hoodlum Havoc demo

In the back-story movie that opens the game, you discover that Rayman's good

buddy, scatter-brained Globox, has accidentally swallowed the Dark Lum Lord, which naturally upset the evil Hoodlum masses. It also upset Globox, who can't get enough plum juice to quell the misery in his stomach. When the actual game begins, you, as Rayman, are facing an army of rotten Hoodlums trying to rescue their belly-dwelling Lord so that they can turn the entire world black with evil. To defeat the ornery Hoodlums, you platform-hop through strange, beautifully rendered realms,

Rayman proves you don't need arms or legs to have a good time.

picking up clues, weapons, and special power-ups along the way.

For help, you've got a loud-mouthed bug tagging along—a streetwise fly named Murphy that knows just about everything and often prods you in the right direction. He's also quick with sarcastic cracks about your ability—or inability—to play the game.

But when it comes to fighting, you're on your own. Your enemies often fight in groups—Hoodlum soldiers come at you in hordes. You also face loads of tough bosses, as well as odd mechanical contraptions.

Rayman 3 offers frenetic combat and colorful, creative levels—the game is short, but you'll have a grand old time while it lasts.—*John Lee*

COMPANY: Feral

CONTACT: +44 0 208 875 1375,

www.feral.co.uk

PRICE: \$39.95

REQUIREMENTS: 500MHz G3,
Mac OS 9.1 or 10.1.3 or later, 128MB
RAM, 16MB VRAM, 1.2GB disk
space

GOOD NEWS: Handsome. Fun. Filled with irreverent wit.

BAD NEWS: Short gameplay. Not challenging.

MacAddict RATED

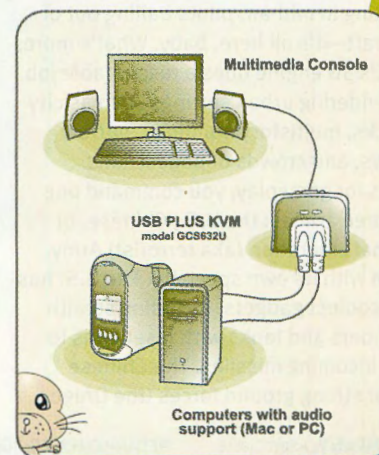


GREAT

A marriage made in heaven

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Command & Conquer: Generals

MODERN REAL-TIME STRATEGY GAME



American and Chinese forces give new meaning to the term *street fight*.

Why settle for elves, dragons, and swords when you can have heavy tanks, Comanche attack choppers, and nuke-tipped missiles? That's the logic behind Command & Conquer: Generals, which takes real-time strategy gaming out of the fantasy world done to death by the likes of Warcraft and Age of Mythology, and drops it in the middle of a modern, fully mechanized war.

There's a lot to like about C&C, starting with the visuals. The game's 3D graphics are stunning, and it's packed with visual details that suck you right in: rangers parachuting from transport planes, blasted pick-up trucks flying through the air, tanks flattening trees and fences, soldiers staggering from chemical poisoning, fuel bombs igniting in mid-air, pilots bailing out of aircraft—it's all here, baby. What's more, C&C's 3D engine does a respectable job of rendering urban settings such as city blocks, multistory buildings, narrow alleys, and crowds of pedestrians.

As for gameplay, you command one of three armies: the U.S., Chinese, or Global Liberation (aka terrorist) Army, each with its own specialty. The U.S. has the coolest gadgets, including stealth bombers and tanks with laser guns to zap incoming missiles. The Chinese favor strong ground forces (the Dragon

tank can flatten a building with one shot), and the GLA can recruit waves of units cheaply (suicide bombers are a dime a dozen) and quickly move 'em through underground tunnels.

C&C is geared for speed, letting you get all your base's essential buildings up quickly and churning out fighting units in a minute or two. And although you need



The Global Liberation Army heads for an American Humvee.

to gather and manage resources, some structures such as the Barracks and the War Factory produce a never-ending stream of men and matériel. There are also some novel aspects of gameplay: For one, your forces can occupy neutral civilian buildings and then snipe from relative safety—a squad of missile-toting soldiers can serve up a nasty surprise to enemy tanks or choppers passing by. Also, you accumulate battle experience during a single game. Gaining more

experience awards you special weapons and abilities on the spot, such as the ability to airdrop droves of soldiers anywhere on the map or to carry out emergency repairs on damaged units.

A few hitches exist, however: Although each army has a good mix of units and upgrades, you don't have as many options as you do in games like Warcraft—so if you love exploring the deepest nuances of every last element, you'll have less to work with here. On the bright side, C&C's smaller—but still respectable—arsenal isn't as overwhelming for generals-in-training or casual commanders.

Some of the game's visual effects, such as a Chinese nuke blast, brought our Dual G5 (with a Radeon 9800 Pro video card) to a crawl at top resolution. On a 1.25GHz PowerBook G4 at 1024-by-768-pixel resolution with medium graphics settings, C&C was playable but had some tolerable lags in heavy action.

One notable drawback is C&C's network play, which works only with other Macs, not PCs. Still, we can't help but love this game for what it is: fun, beautiful, fast, and deep (enough). And with its modern-day flavoring, we also love it for what it's not: more of the same old orcs, mages, and deities.

—Helmut Kobler



COMPANY: Aspyr Media
CONTACT: 888-212-7797,
www.aspyr.com
PRICE: \$49.99

REQUIREMENTS: 1GHz G4, Mac OS
10.2.6, 256MB RAM, ATI Radeon 7500
or nVidia GeForce 2 video card or better
(32MB VRAM), 1.6GB disk space

GOOD NEWS: Stunning, detailed units and environments.
Good balance and distinction among three armies.
BAD NEWS: Networking supports only Mac-to-Mac gaming.
Thin campaign storyline. Occasional crashes.

MacAddict RATED
GREAT

theHotList

THE BEST OF THE BEST FROM RECENT REVIEWS

SHOPPING?
HERE'S WHAT WE
RECOMMEND

NEW THIS MONTH



Native Instruments Reaktor 4

MacAddict contributing editor and audio pro David Biedny says Reaktor will turn your Mac into "the world's most awesome sonic sandbox."



Aspyr The Sims Makin' Magic

Executive Editor Cathy Lu—our resident Sims addict—calls The Sims Makin' Magic "freakily fun."

MacSoft Unreal Tournament 2004

When Reviews Editor Niko Coucouvanis finally pried his fingers off his game controller, he said, "We can't recommend UT 2004 highly enough."

SOFTWARE

AUDIO

Ableton Live 3.0.2	\$399.00	May/04, p58	New effects, clip-level automation, a real-time sequencer.
IK Multimedia AmpliTube Live	\$129.00	Nov/03, p46	Don't think software can replace monster guitar amps? It can.
Native Instruments Absynth 2	\$299.00	Apr/04, p42	This software synth can create audio magic like no other.
Native Instruments Reaktor 4	\$559.00	Jun/04, p56	If you can imagine a sound, you can create it with this synth.
Propellerhead Software Reason 2.5	\$449.00	Sep/03, p55	It's earned its rep as the top software sound studio.

GAMES

Aspyr The Sims Makin' Magic	\$29.99	Jun/04, p51	Familiar Sims series delves into black—and white—magic.
Freeverse Software ToySight	\$34.95	Apr/04, p50	Use your Webcam to play this game—it's as cool as it sounds.
MacSoft Halo: Combat Evolved	\$49.99	Mar/04, p38	It's as awesome as your Xbox buddies said it was.
MacSoft Neverwinter Nights	\$49.99	Jan/04, p54	Flaunt your Dungeons & Dragons skills in the best RPG ever.
MacSoft Unreal Tournament 2004	\$39.95	Jun/04, p48	The best first-person shooter adds new vehicles and weapons.

GRAPHICS & LAYOUT

Adobe Acrobat Professional 6	\$449.00	Nov/03, p50	If you're in pro publishing, this is one must-have app.
Adobe InDesign CS	\$699.00	Feb/04, p46	More features and easier navigation make layout a snap.
Adobe Photoshop CS	\$649.00	Feb/04, p44	Just when you thought Photoshop couldn't get better, it did.
Macromedia Dreamweaver MX 2004	\$399.00	Jan/04, p48	Our favorite Web-design tool adds improved CSS support.
Macromedia Flash MX 2004 Professional	\$699.00	Jan/04, p48	Don't know how to write code? Flash MX will do it for you.
Macromedia FreeHand MX	\$399.00	Jun/03, p49	In the race with Adobe Illustrator, FreeHand pulls ahead.

PRODUCTIVITY & UTILITIES

Bare Bones Software BBEdit 7.0.1	\$179.00	Mar/03, p52	By far the most powerful text editor money can buy.
Microsoft Office v. X	\$399.00	Feb/02, p42	The 800-pound gorilla of productivity applications.
You Software You Control	\$49.95	Apr/04, p45	This menu utility increases your control over your Mac.

VIDEO AND ANIMATION

Adobe After Effects 6.0	\$649.00	Dec/03, p49	This motion-graphics stud improves its 3D powers.
Apple DVD Studio Pro 2	\$499.00	Dec/03, p58	Apple's essential DVD-burning app is still the one to beat.
Apple Final Cut Express 2.0.2	\$299.00	May/04, p48	Unless you need to go Pro, Express will save you \$700.
Apple Final Cut Pro 4	\$999.00	Sep/03, p44	This kick-ass video editor now includes four new apps.

HARDWARE

ACCESSORIES

Kensington Expert Mouse	\$127.95	Oct/03, p60	Optical trackball plus scroll wheel equals killer controller.
Microsoft Wireless IntelliMouse Explorer	\$64.95	Jan/04, p57	Our favorite mouse adds horizontal scrolling.

AUDIO & VIDEO

ADS Technologies Pyro DV Drive	\$650.00	Jan/04, p55	Record DV video directly to this mobile encoder and drive.
Apple 20GB iPod	\$399.00	Jul/03, p44	The world's greatest MP3 player gets smaller and cooler.
Apple iPod mini	\$249.00	May/04, p45	If size and style are important to you, pick up this MP3 player.
M-Audio Ozone	\$399.95	Feb/03, p59	Need a portable audio-and-MIDI controller? Look no further.

DIGITAL CAMERAS

Canon EOS Digital Rebel	\$999.00	Mar/04, p48	Finally, an affordable pro-quality digital SLR camera.
Nikon Coolpix 5400	\$599.95	Dec/03, p22	This prosumer camera handles well and shoots even better.
Olympus D-560 Zoom	\$229.00	Dec/03, p22	This affordable point-and-shoot cam provides great images.

DISPLAYS

Apple Cinema HD Display	\$1,999.00	Aug/02, p40	This 23-inch, 1,920-by-1,200-pixel beauty inspires lust.
Formac gallery 2010	\$1,299.00	Jan/03, p47	Bright, fast, huge—and it costs only \$0.0007 per pixel.

PRINTERS

Brother HL-1870N	\$699.99	Aug/02, p45	Need a sturdy laser printer? This one's a workhorse.
Epson Stylus Photo 2200	\$699.00	Oct/02, p42	The most stunning photo printer we've ever tested.
HP Laserjet 1012	\$199.99	Mar/04, p51	Can a pint-size, sub-\$200 laser printer be this good? Yep.

STORAGE

LaCie d2 200GB FireWire 800	\$259.00	Jun/03, p47	FireWire 800 speed meets solid-as-a-rock construction.
OWC Mercury Elite Pro	\$259.99	Jul/03, p53	This 180GB FireWire 800 drive outpaces the competition.
WiebeTech Fire800	\$549.95	Dec/03, p53	Hefty 300GB capacity combines with speedy performance.
WiebeTech MicroGB800	\$429.95	May/04, p61	At 7,200 rpm, this 60GB beauty is one snappy portable drive.



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Pro Conference: for programmers, power users, administrators, integrators and other Mac OS masters!


Users Conference: for educators, designers, musicians, "switchers" and new users!

Power Tools Conferences: in-depth training on iLife projects, FileMaker, home recording studios and other popular topics!

MacLabs: hands-on workshops on DVD Studio Pro, Acrobat/PDF, color management and other key topics!

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efforts - I mean people embrace it
and are genuinely thankful.

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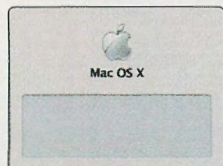
CUSTOMIZED BOOT PANEL

How can I change the image on the Mac OS X boot panel?

The image on the boot panel, which appears during startup after the gray Apple screen but prior to the login screen, is called BootPanel.pdf.

In Mac OS 10.3 (Panther), the image named BootPanel.pdf is located in System > Library > CoreServices > SystemStarter > QuartzDisplay.bundle > Resources. Control-click the QuartzDisplay.bundle and choose Show Package Contents from the contextual menu to access the Resources folder.

In Jaguar, the QuartzDisplay.bundle looks like a Finder folder, but you need to log in as root to modify its contents. Read Apple support document 106290



Replace the original boot-panel image (top) with your own (bottom).

(<http://docs.info.apple.com/article.html?artnum=106290>) for more info on enabling the root user. Make a copy of the original image, and then create a 472-by-360-pixel PDF named BootPanel.pdf. Replace the original BootPanel.pdf with your custom-created one and restart your Mac to see your handiwork.

REASSIGNING APPLTALK

When my Mac is hardwired with Ethernet, I can connect to our company's network via AppleTalk with no problem. Sometimes I use our company's AirPort connection, however, and then I can't get on the network. Why?

AppleTalk can only handle one type of network connection at a time. When you switch from built-in Ethernet to AirPort, you have to switch over AppleTalk as well—which is easy to do. Launch your Network system preference (Applications > System Preferences). Click the AppleTalk tab and check the Make AppleTalk Active box. You get a dialog telling you that activating AppleTalk on AirPort will deactivate AppleTalk on Built-in Ethernet. Just click OK. Click the Apply Now button in the system preference pane to activate AppleTalk via AirPort. If your network requires that you be on a certain AppleTalk Zone, select it from the pop-up menu.

SMART QUOTES

What are curly quotes?

Curly quotes, commonly called smart quotes, are one of those typographic elements that separate amateur designers from professionals. Some applications, like Microsoft Word, give you global

"Straight Quotes" "Smart Quotes"

In proper typography, smart quotes (bottom) are preferable to straight quotes (top).

formatting options (Tools > AutoCorrect > AutoFormat) to turn standard straight quotes into typographical smart quotes. You can also use keyboard shortcuts: Option-left bracket gives you the left smart quote. Option-Shift-left bracket gives you the right one.

FONT OVERLOAD

I recently installed more than 4,000 fonts onto my Mac. Now Mac OS X runs incredibly slowly and some programs won't even open. What can I do?

Wow—4,000 active installed fonts is overkill on any system. Remove most of these fonts from your Fonts folders and invest in a font management application. Mac OS 10.3's Font Book application lets you enable and disable fonts by creating



A font-management program such as Font Reserve is the best way to deal with loads o' fonts.

font Collections. Right now, however, only Cocoa apps fully support Font Book. Until Font Book gets smarter, try Extensis's Suitcase (\$99.95, www.extensis.com) or Font Reserve (\$99.95, www.extensis.com) professional-level font-management programs, both of

quick answers

PDF iPHOTO BOOKS

How do you create a PDF file of an iPhoto Book?

Click iPhoto's Book button to create the book, select Print from the File menu, and then click the Save As PDF button.

STUCK WITH THE CHIME

How can I change the startup chime on my Mac?

You can't. This sound is programmed into your Mac's hardware.

PHOTOSHOP'S EVIL TWIN

How do you access the alternate About Photoshop screen?

Hold down the Command key when selecting Photoshop > About Photoshop—and wait until the end of the crawl for a surprise.



Check out Photoshop CS's darker side.



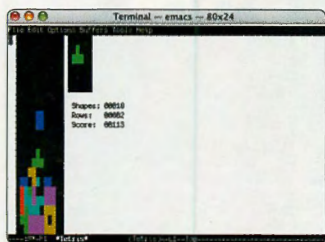
FontReserve 3.1.3
trial (OS 9 & X) and
Suitcase X1 trial

which allow you to activate and deactivate fonts on the fly and otherwise tame your massive font library.

HIDDEN TETRIS

Is Tetris hidden inside Mac OS X?

Yup, it's in there—and if you're running Panther, you can play in color. First launch the Terminal (Applications > Utilities). Type the word **emacs**, press Return,



Yeah, Tetris! And, yeah, some of us suck at it.

press **Esc**, and then type **x** to access the extended command mode. Type **tetris** and press Return. You're in! Use the arrow keys to spin the pieces and the spacebar to drop them.

DVD ARCHIVE

What does it mean to archive my project in iDVD 4?

File > Archive Project creates an exact backup of your entire iDVD 4 project. This feature is useful for backing up your project to another drive. The archive is read-only by default, but you can change that. Simply click your archived project file in the Finder, select File > Get Info, click the Ownership & Permissions disclosure triangle, then

CONTROL-STRIP DRAGGING

In Mac OS 9, how do I move my Control Strip, which is stuck halfway up the screen?

Hold down the Option key while dragging the Control Strip.

STICKY iPHOTO UPDATES

Why does iPhoto unexpectedly quit when I'm trying to update to iPhoto 4.0.1?

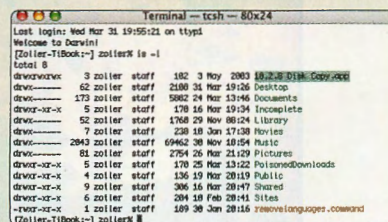
Delete the files Thumb32.data, Thumb64.data, and ThumbJPG.data from your *user name* > Pictures > iPhoto Library folder. Now you can run the iPhoto

UNIX UNIVERSITY

LIST IN COLOR

How can I make the Terminal show the **ls** (list) command in color?

This popular and useful trick uses color to display the results of the **ls** command,



Color makes directory lists easier to read.

which shows a listing of the current directory. The color makes distinguishing between files and folders easier. To get color, you edit the initial preference file, called **.cshrc**, for your Terminal session.

click the Details disclosure triangle. From there, choose Read & Write from the Others pop-up menu to enable others to modify the archive. Finally, click the Apply To Enclosed Items button to set the permissions for the contents of the archive. Now you can modify the archive.

PRIORITIZE PRINTING

How can I set my print priority in Mac OS X?

If you print a lot of documents in Mac OS 10.3 but want a certain job to jump to the top of the print queue, set the print job to Urgent. This feature was added to Panther's printing architecture. Go to the

4.0.1 updater from the Software Update program under the Apple menu.

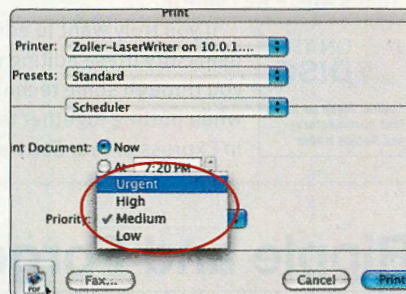
BUNDLED PS PPDS

Where can I find a list of PPD (Postscript Printer Description) files included in Mac OS X for Postscript printers?

Check Apple's support document 25587 (<http://docs.info.apple.com/article.html?artnum=25587>).

1. Launch the Terminal (Applications > Utilities) to open up the default **tcsh** shell.
2. Type **cd** and press Return to go to the root of your home directory.
3. Type **pico .cshrc** to launch the pico text editor and open your **.cshrc** file for editing.
4. Type the following lines into this file below any lines that already exist:
setenv CLICOLOR
setenv LSCOLORS
dxfxcxdxbxegedabagacad
5. On your keyboard, press Control-O and then Return to save your changes to the **.cshrc** file.
6. Press Control-X to quit the pico text editor.
7. Quit and restart the Terminal. Type **ls** or **ls -l** to see the directory contents in color.

Print dialog window in the application from which you're printing. Select Scheduler



Print now! I command you!

from the unlabeled pop-up menu. Set the priority—Low, Medium, High, or Urgent—and click print. There isn't a way to set print priority in earlier versions of the OS.



Seven years of handling tech support for Apple, Power Computing, and a Texas school district have given Buz Zoller Mac superpowers.

Submit technical questions or helpful tips directly via email (askus@macaddict.com) or c/o MacAddict, 150 North Hill Dr., Brisbane, CA 94005.

Edit Like a Pro in Final Cut

EASY

by Helmut Kobler

WHAT YOU NEED

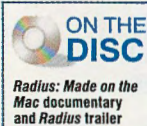
G4 or G5 running Mac OS 10.2.5 or later

Final Cut Express (\$299 or \$99 upgrade, www.apple.com) or Final Cut Pro (\$999)

DV footage

You don't need a high-end package like Apple's Final Cut Pro to chop up video with the speed and precision of an *Iron Chef* champ. Heck, you don't even need to be a pro. With Pro's younger and more affordable sibling, Final Cut Express, anyone who has outgrown the simplicity of Apple's iMovie can make professional-grade edits. After all, Pro and Express share almost identical sets of power tools. But many of these tools are strange and nonintuitive, and unless you're one of those rare birds who actually *reads* software manuals, you may be missing out on them.

That's where we come in.



If you truly want to edit like the pros, we demystify these editing wonders and walk you through some techniques that pros use when putting together feature-length movies in Express or Pro. Copy an existing Timeline



Whether you're an editing pro or amateur, a few quick tricks will allow you to perform precision edits while saving time.

sequence you've already edited (just select the sequence in the Browser window and choose Duplicate from the Edit menu), or edit together some video clips in the Timeline for testing. Make sure your Timeline sequence contains edited clips that you can shorten or extend at will.

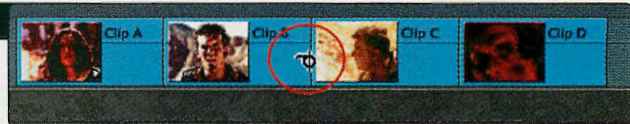
Ripple and Forget Resizing Miseries

► Ever need to resize a clip in the Timeline to shorten or extend a sequence? Then you may remember having to move all subsequent clips further down the Timeline to make room for an extended clip or having to move subsequent clips forward to close up the gap after

scaling down a clip. With Final Cut's ripple tool, you can resize a clip in the Timeline while automatically moving other Timeline clips forward or backward in time to accommodate your change. Here's how to do this type of edit.

1 Roll Out the Ripple

In your project, choose a clip in the Timeline that you want to either shorten or lengthen. Select the ripple tool from the tool palette (it shares space with the roll tool—the fourth tool down from the top—and its icon is a single circle with two perpendicular lines). The extraspeedy method is to just press the R key twice. Your cursor magically dons the ripple edit symbol. Mouse over an edit point that borders either side of your clip—target a preceding edit point to affect a clip's beginning sequence, or target its following edit point to affect its ending sequence. If your clips are so close together that it's hard to tell which clip you're selecting, watch the cursor icon—it points toward the clip you're about to choose.



To extend Clip B's sequence, we targeted its ending edit point—notice how the cursor icon appears to point toward the clip selection at the edit point.

2 Resize the Clip

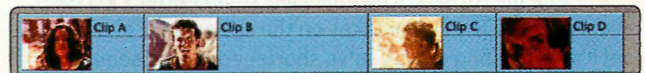
Click to the immediate left of the edit point to select the outgoing clip (the clip that precedes the edit point), or to the immediate right to select the incoming clip (the clip that follows the edit point). The clip displays a thin highlight that flanks the edit point, showing that you've selected it. Then simply drag the selected side of the edit point either forward or backward in time to extend or trim your clip, respectively. For precision editing, keep an eye on the Canvas window, which shows two clips in the display, as you drag. The frame on the left shows the last frame (the Out point) of the outgoing clip, while the frame on the right shows the first frame (the In point) of the incoming clip. Your resizing efforts dictate these frame changes.



Just click and drag a clip's beginning or ending to resize it. Here we extended Clip B.

3 Watch Final Cut Move the Rest

OK, now simply release your clutch on your mouse and watch Final Cut automatically move all your resize-affected clips in the Timeline to accommodate your freshly edited clip. Easy! As you adopt this new trick, do remember this: If you get to a point where you can't seem to extend an In or Out point any farther along the Timeline, you've reached the last frame of the clip—no more frames are available, so give it a rest already.



After we let go of the mouse button, Final Cut automatically moved the surrounding clips in the Timeline to accommodate our new edit.

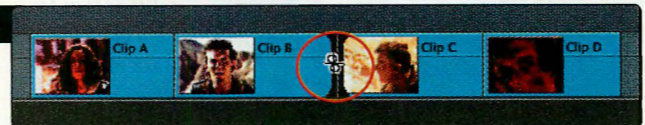
Roll to Keep Perfect Time

► Timing is everything. If you want to extend or shorten a clip in your video but don't want to change the sequence's overall length, perform a roll. This type of edit lets you move the edit point between two clips, making one clip longer and the

other shorter—in other words, the frames that you give to one clip, you take away from the other. This is especially useful for when you've, say, synced music and sound effects to your video and don't want to throw things out of whack. Let's roll!

1 Target an Edit Point

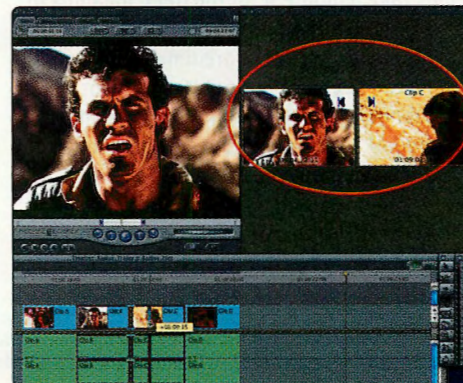
Feel free to use the same sequence you used for the ripple edit, open a new sequence, or throw together a whole new one. Then select the roll tool from the tool palette (it shares a space with the ripple tool, and has an icon of two stacked circles with intersecting lines), or just press R. The cursor now flaunts the roll tool's symbol. Choose two neighboring clips and click the edit point between them in the Timeline.



Using the roll tool, we clicked the edit point between clip B and clip C; the pending edit will affect these two sequences only.

2 Roll It Left or Right

To perform the edit, just drag the edit point either right or left (forward or backward in time). Dragging to the right extends the first (outgoing) clip and shortens the second (incoming) clip; dragging to the left shortens the first clip while extending the second. As you drag, notice how the Canvas window goes into a two-frame display (à la the ripple tool). The frame on the left shows the new Out point of the outgoing clip, while the frame on the right shows the new In point of the incoming clip. As with the ripple tool, when you can't drag (or roll) the edit point any farther along the Timeline, you've reached the last frame of either the outgoing or the incoming clip.



Watch the Canvas window, which shows the outgoing clip's last frame on the left and the incoming frame's first frame on the right.

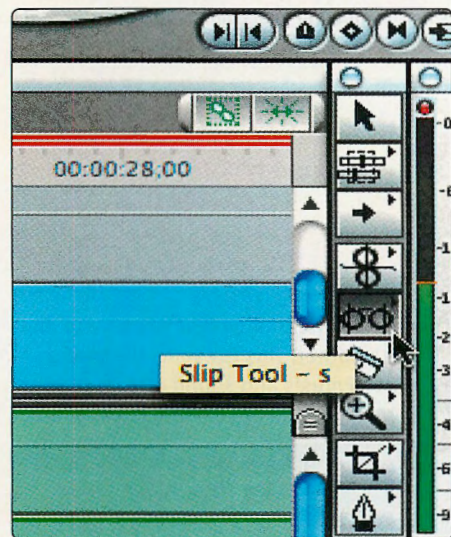
Give a Clip the Slip

► The slip tool is indispensable when you have second thoughts on how you edited a clip—maybe you decide that the edit would work better if a clip started or ended on a different frame. This tool lets you quickly change an edited clip's visible range of frames on the Timeline without affecting its length, instead of having to start over, reedit the clip with new In and Out points, and bring the clip back to the Timeline.

For example, if you have a 300-frame clip and you choose only 100 frames of it (say, frames 101 to 200) to edit to the Timeline,

1 Choose a Clip to Slip

Using the same sequence you've been using (or opening or creating a new sequence), select the slip tool in the tool palette (the icon looks like Harry Potter's glasses), or just press S. The cursor takes on the appearance of the slip tool icon. Then find a clip you've shortened in your sequence (one that's actually longer than it appears on the Timeline).

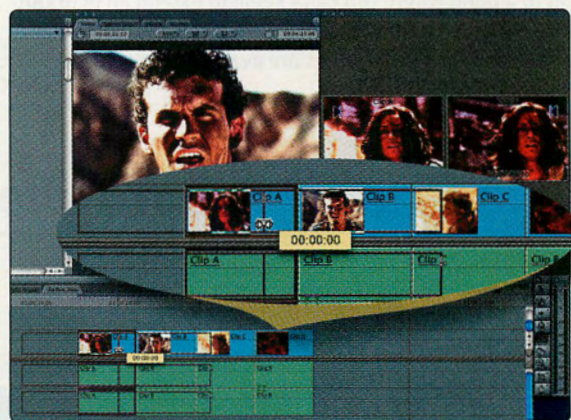


Though Final Cut's editing-tool icons look cryptic, both Express and Pro provide helpful rollover tags to help you keep track of what's what.

you can use the slip tool to show a different range of frames quickly within that Timeline clip—for instance, frames 1 to 100. If this sounds a bit abstract, imagine that viewing your clip on the Timeline is like looking at words under a magnifying glass—all the words on this page represent all the available frames of your clip. To view a different group of words (or in the video sense, a different frame range in your clip), you just shift the magazine left or right behind the magnifying glass, so that it reveals a different group of words.

2 Slip the Clip

To slip the clip, click your targeted clip anywhere; Final Cut displays a rectangular frame that shows the total frames available to the clip. Then drag right or left to view other frames in the clip. Dragging right allows you to move the range to view earlier frames, while dragging left allows you to see the clip's later frames. Keep an eye on the Canvas window as you drag; it shows a two-frame display of the slipped clip's new In and Out points.



The rectangular highlight shows the selected clip's full length; just drag to change the currently displayed frame range.

Option—the Unsung Hero

We like options, and the Option key is truly the unsung hero of Final Cut's Timeline editing tools. Hold down Option, and you can edit a clip's video and audio parts separately as they remain linked. It may take a moment for the deep meaning of this revelation to sink in (go ahead, free your mind), but trust us—this is *huge*. Why? Inevitably there are times when you want to edit a clip's video segment but not its audio (or vice versa), and you'd otherwise have to unlink the two elements, do your edit, and then link them again. But with the power of Option, it's a no-brainer. Check these tricks out.

See No Evil To witness the Option key's prowess, drag any clip that includes video and audio onto the Timeline. Click

the selection tool (the arrow) or press A. Then hold down the Option key, select the video portion of your clip, and press Delete. Presto! The video is gone, but the audio lives on.

Hear No Evil Using a new clip, select the razor-blade tool or press B, hold down the Option key, and click the audio part of the clip. *Bam!* You just removed the audio but not the video.

Just Plain Wicked Once more, grab a new clip and select the roll tool (you know this one by now). Hold down the Option key, and click and drag an edit point between two video clips—the roll will affect your video but not change the edit point between the two clips' audio.

MacAddict **GUITAR** WORLD

ENTER THE BATTLE OF THE GARAGE BANDS!

WIN A SIGNATURE JOE SATRIANI IBANEZ GUITAR, PEAVEY JSX AMP AND TOP AUDIO EQUIPMENT



NEED INSPIRATION?

Check out legendary guitarist Joe Satriani's latest album, *Is There Love in Space?*, recorded using a Dual 2GHz Power Mac G5 and a Pro Tools HD setup.

PRO CONTEST

Send us a 1-minute-long original composition that shows off your skills. When we say *original*, we mean it—no sampled stuff for which you can't claim a copyright. Bounce your tune down to an MP3 file and send it to us using the instructions at right.



PRO PRIZE PACKAGE

Ibanez Satriani Signature Guitar
Peavey Satriani Signature Amp
M-Audio FireWire 410 mobile recording interface
M-Audio Studiophile BX5 reference monitors
M-Audio Solaris condenser microphone
M-Audio Oxygen8 MIDI controller
M-Audio Studio Pack equipment backpack
LaCie 500GB Big Disk Triple Interface hard drive

JUDGING CRITERIA: 50% Production Quality, 25% Originality, 25% Song Construction

Only one entry per contestant. Contestants can enter either the Pro or the Amateur Contest but not both.

Just write a 1-minute song and enter it in either our Pro or Amateur Contest—see details below! The editors of *MacAddict* and *Guitar World* magazines will listen to your masterpiece and select five finalists from each category. Guitar legend and Mac aficionado Joe Satriani will then select one winner in each category. Winners will be announced at a listening party in January 2005.

AMATEUR CONTEST

Send us a 1-minute-long original composition created in Apple's GarageBand using only unedited Apple Loops from GarageBand and GarageBand Jam Pack—but feel free to use any or all GarageBand's many effects. Send us an archived folder containing your contact info and your GarageBand project (to archive the folder in Mac OS X, Control-Click it, and then select Create Archive Of from the contextual menu).



AMATEUR PRIZE PACKAGE

M-Audio MobilePre USB preamp and audio interface
M-Audio Studiophile LX4 2.1 reference monitors
M-Audio Luna condenser microphone
M-Audio Keystation 49e MIDI controller
LaCie 500GB Big Disk Triple Interface hard drive

JUDGING CRITERIA: 50% Uniqueness, 50% Song Construction

CONTESTANT INFORMATION

Full Name: _____
Address: _____
City: _____
State: _____
Zip: _____
Email or telephone: _____

Which contest are you entering?
(check the appropriate box):

☐ Pro

☐ Amateur

Name of song: _____

Pro entrants only: Tell us about your song in 50 words or less—what hardware, software, and other equipment did you use to create it?

Check the appropriate box.

☐ I promise that my Pro Contest entry is entirely original. I fully own the copyright to all parts of the composition.

☐ I promise that my Amateur Contest entry is composed using only unedited Apple Loops included in Apple's GarageBand and GarageBand Jam Pack.

Signature: _____

Submit your song in one of two ways:

1. Burn it onto a CD and send it to one of the following two addresses:

MacAddict readers, send it to:
Battle of the Garage Bands, *MacAddict*,
150 North Hill Dr., Brisbane, CA 94005

Guitar World readers, send it to:
Battle of the Garage Bands, *Guitar World*,
149 5th Ave., 9th Floor, New York, NY 10010

2. Upload it to one of the following Web sites:

MacAddict readers:
Go to www.macaddict.com/GarageBandContest

Guitar World readers:
Go to www.guitarworld.com/GarageBandContest

Deadline for entry: July 31, 2004

Contest results will appear in *MacAddict* and *Guitar World's* December 2004 issues.

For complete contest rules, please see page 78.

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Chat with Others Using IRC

EASY

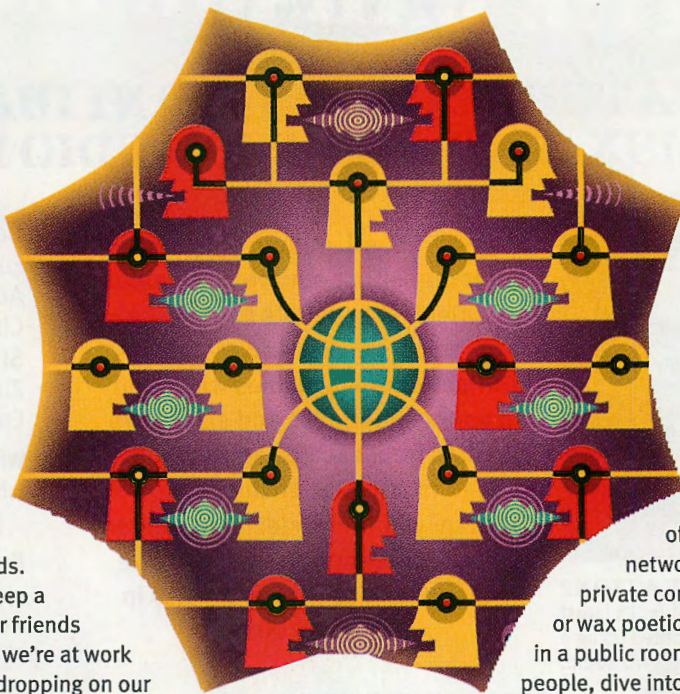
by Richard Cobbett

WHAT YOU NEED

Any Mac running System 7 or later

An Internet connection

An IRC client, such as Ircle (\$20, www.ircle.com)



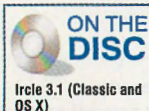
Looking to share your love of Spider-Man comics, get dating advice, or rant to anyone willing to listen? Make new friends via IRC channels.

Instant messaging (IM) is one of the biggest online social trends. How else would we be able to keep a real-time running dialog with our friends about anything and everything while we're at work or school without anyone else eavesdropping on our conversation? Plus, we don't have to shell out cash to Ma Bell or Pa Cell. Even Apple joined the yak fest with its iChat app. It's a great system—one that works very well—but it's by no means the only way of enjoying a good conversation. If you want to open up your pool of fellow chatters, use IRC (Internet Relay Chat) instead.

IRC is IM's predecessor. While instant messaging allows you to communicate with people you know, IRC lets you create virtual chat rooms, or *channels*, that are dedicated to particular subjects and that allow anybody to visit. The system is comprised

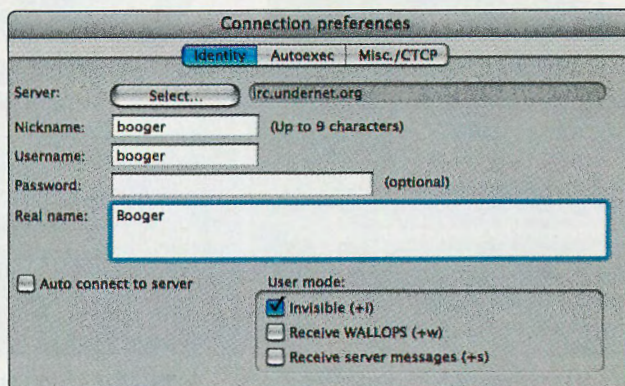
of many separate server networks. You can hold a private conversation with someone or wax poetic to anyone who'll listen in a public room. You can meet new people, dive into debates, swap files, or even play games. All you need is an IRC client (we used the shareware app Ircle for this how-to, but most IRC apps function similarly).

We show you how to connect to an IRC server, find channels that pique your interest, and start chatting (or *typing*, as is the protocol in this type of medium). Be aware that the anonymity of IRC can lead to a much more hostile atmosphere than other forms of messaging. Most channels usually provide ways to complain about any idiots you may encounter, but it's best to simply block or ignore them—that's the price of an open forum.



1 Create an Identity

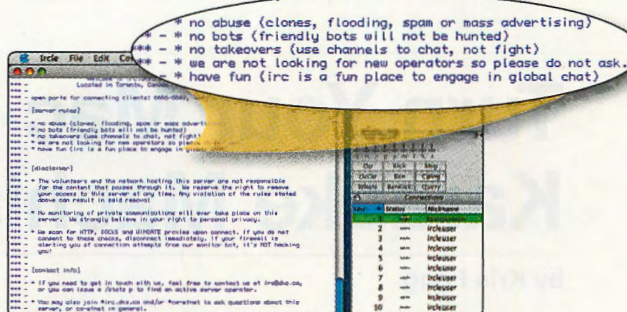
Launch Ircle. The app displays four windows: Connections displays all your server connections (you can connect to up to 10 networks at a time if you're feeling gabby), Console displays messages from the server, Userlist displays the nicknames of the other peeps in your current channel, and Inputline is where you type your messages. Although you can chat anonymously by providing fake names (the IRC system doesn't require a user name and password), you should create an identity if you plan on meeting people. In the Connections window, click Edit to edit your first connection's preferences. In the dialog that appears, click the Identity tab. Then type a unique name in the Nickname and Username fields; you can type either this same name or your real name (if you dare) in the Real Name field. Then click OK.



Unlike AOL, you don't have to come up with a completely original nickname, but it's best to choose something that sets you apart from the thousands of other Johns and Janes in the world.

2 Snag a Server

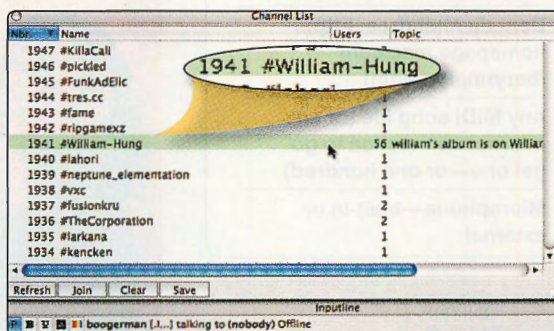
Now connect to a server. In the Connections window, click Server to open the Server List dialog—there are hundreds listed. Some of them (such as GamesNet and QuakeNet) offer recognizable content, while others (such as DAL and EFnet) could host anything. There's no easy way to predict what type of channels you're going to find. Choose whatever server you fancy and click Select. Ircle connects you to the server, and presents you with basic server information and any specific rules it has. (If you can't establish a connection with one server, try another.) Make sure that you read these rules carefully. If you break one, you could find yourself banned from a particular channel or from the server entirely.



Once you establish a connection, the server splits out words of wisdom and rules to live by in the Console window. Pay attention to what this message says.

3 Go Channel Surfing

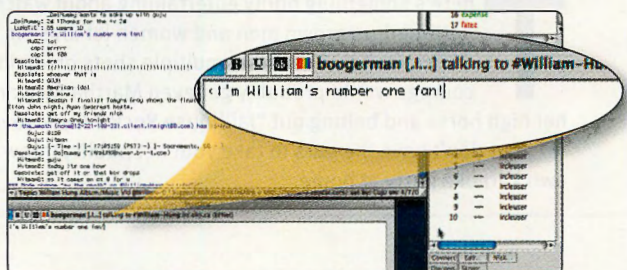
Now that you're connected, find an interesting channel to join. Select List from the Command menu to bring up a list of available channels on your chosen server—a Preferences dialog pops up where you can tailor your choices, such as opting to see only local channels, a minimum number of users, and more. Click OK when you're finished to view the list, which may take a while to fully load (there are usually thousands of channels). For the best social activity, expand the Channel List window so that it reveals how many users are currently connected. To join a group, either double-click a channel in the list or type `/join #channelname` (where *channelname* is the name of your channel choice) in the Inputline window. Be aware that there may be some very questionable topics listed.



Hmmm...an amusing channel topic, and hey, it's got a bunch of people!

4 Time to Yakkety Yak

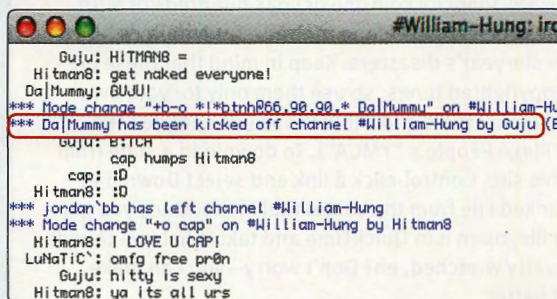
Once you log into a channel, a chat window opens and displays the ongoing chatter; keep in mind that text can fly fast, depending on how many users there are and how many different conversations are going on at once. The Userlist window fills up with the nicknames of all connected members. Before you start chatting away, take some time to read the current conversation and gauge whether or not it's a place you want to hang out. It's likely that the people in any given channel know each other reasonably well and may not appreciate outsiders barging in. When you're ready to add your two cents worth, type a message in the Inputline window and press Return to send it off for all to see—your message appears in purple text in the chat window.



Press Return, and your message flies across the chat window for all to see (your text appears purple to your eyes).

5 Don't Talk Back

Not everyone is who they seem—in particular, you may see users listed as ChanServ, which are actually bots responsible for channel/chat room upkeep. On a more human level, channels generally have their share of operators, or *ops*, that are in charge of what goes on in the room. Ops' nicknames appear in red text in the Userlist window. Many are there to answer your questions and keep the conversation going, but some blatantly abuse their power and will kick people out of a channel simply for disagreeing with them. Don't get all nasty if you really want to stay in a room. And whatever you do, remember to have fun.



Our mama told us to always play nice with others—obviously, Da|Mummy's mum forgot to mention that.



Turn Your Mac into a Karaoke Machine

TRICKY

by Kris Fong

WHAT YOU NEED

GarageBand (\$49, as part of iLife '04; www.apple.com)

Dent du Midi (free, <http://homepage.mac.com/beryinaldo/ddm>)

Any MIDI song file (or an Internet connection to go get one—or one hundred)

Microphone—built-in or external



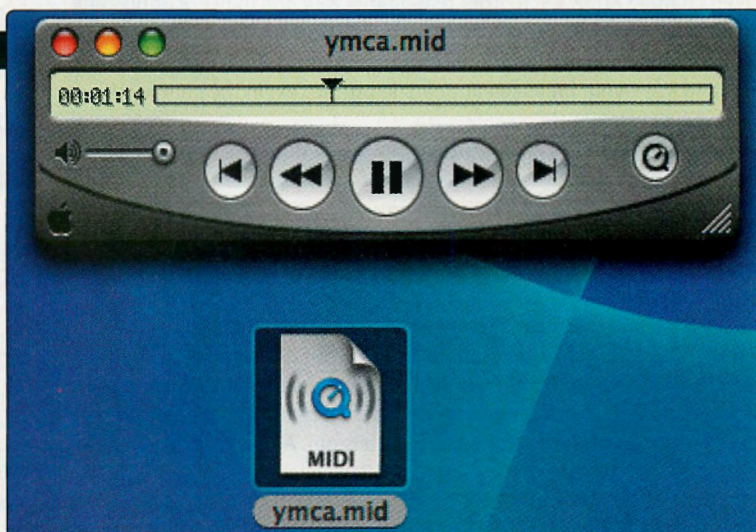
Like to sing but hate the bar scene? GarageBand enables your Mac to function like a pseudo karaoke machine.

There's something oddly entertaining about watching buttoned-up grown men and women let loose in a karaoke bar. Of course, multiple shots of liquid courage would probably get even Martha Stewart off her high horse and belting out "Jailhouse Rock." If you love to sing but don't have the guts to take your act public, throw your own karaoke party at home.

We show how to build up a personal library of vocal-free tunes and turn your Mac into a pseudo karaoke machine. You won't get any bouncing-ball-over-lyrics or horses-galloping-across-the-meadow screens, but you can tailor the backup tracks to accommodate just about any wannabe singer (and secretly record selected performances for future blackmail opportunities).

1 Grab a Tune

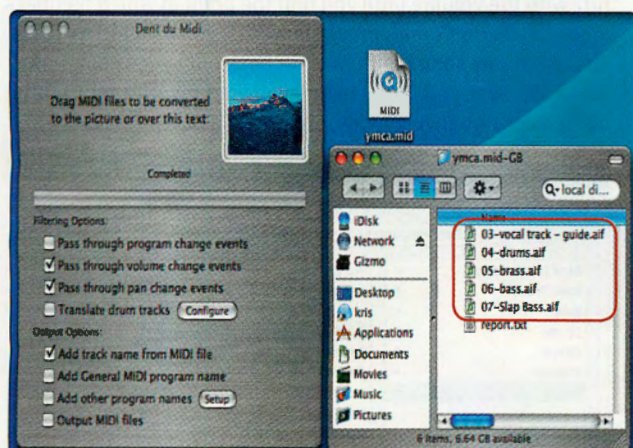
If you don't have any MIDI song files (.mid), jump online and look for some. Sunnycity.com (www.sunnycity.com/music) has hundreds of MIDI files you can download for free—from today's hits to yesteryear's disasters. Keep in mind that these are copyrighted tunes; so use them only for your own personal trials and tribulations (we snagged the Village People's "YMCA"). To download a song from this site, Control-click a link and select Download Linked File from the contextual menu. Once you get a file, open it in QuickTime and take a listen—sounds pretty wretched, eh? Don't worry—you can make it better.



QuickTime generates MIDI sounds via its built-in synthesizer, whose sounds can ooze more cheese than a can of Nabisco Easy Cheese.

2 Yes, du MIDI

Although GarageBand can't import MIDI files, Dent du Midi is an awesome freeware app that'll break apart any MIDI song file and save each instrument track's note data in separate GarageBand-compatible files (they're saved as AIFF files, but they don't contain actual audio). Launch Dent du Midi. In the window that appears, leave the default settings and drag your MIDI file onto the mountain icon to put the app to work. When finished, it spits out a folder of AIFFs in the same directory as your MIDI file. Open this folder and scope out your new tracks.



Dent du Midi broke apart our MIDI file and generated these five instrument-track files.

3 Strike Up the 'Band

Double-click Report.txt in the folder; this file contains the key, time signature, and tempo information for your song. Launch GarageBand and open a new project (Command-N). In the New Project dialog, enter the Report.txt info accordingly and click Create to open GarageBand's main window. Delete the default Grand Piano track by selecting it and pressing Command-Delete. To import the instrument tracks, select all the AIFF files and drag and drop them onto the timeline at measure 1. GarageBand imports the files and presents each in a separate software instrument track (this can take a while).



To import the MIDI-in-AIFF-clothing files into GarageBand, just drag and drop them into the timeline.

4 Get New Players

The new tracks contain the same note information as your original MIDI file, but all instruments now have a piano sound—even the drum track—so assign a new instrument to each corresponding track. For example, in our first track, the region was labeled *Brass* for the song's horn section. (Note that not all MIDI songs provide these helpful track reference names—you may have to determine the instrument parts yourself by listening to them individually.) To change the piano to a horn section, we double-clicked the first track's icon to

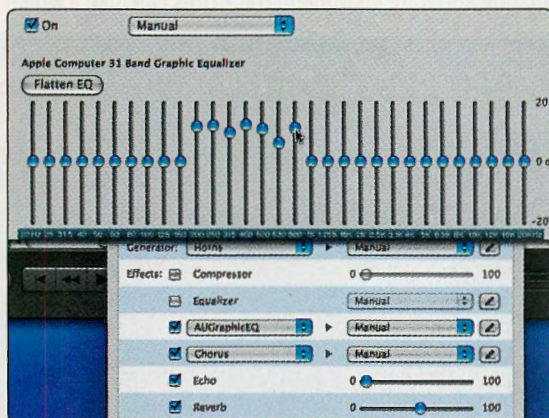
open the Track Info window. In the left column, we selected Horns; in the right column, we selected Radio Horns (we had Jam Pack installed). Take this same approach to change one of your instruments according to the track's region name (or by the sound of its part, if it doesn't display a name). Press the play button to hear the new sound. Then change the rest of your tracks' instruments accordingly, except for the vocal guide track (if your song has one)—leave it as is. You now have a backup band.



We reassigned the correct instruments to our tracks, using the region names as guides.

5 Set the Mix

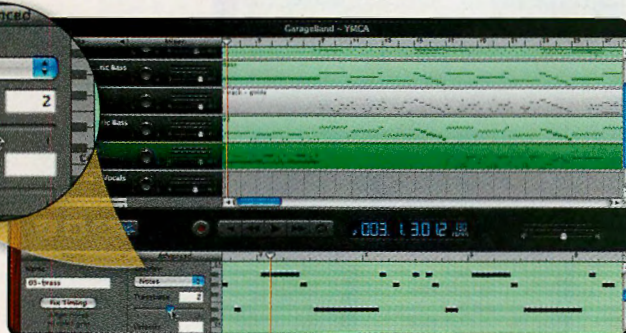
If your band sounds fine, skip ahead to step 6. If your instruments sound weak, double-click a track to open the Track Info window. Click the Details triangle to reveal the instrument's effects settings, press the spacebar to hear your song, and make some settings changes. To make our dull drums sound bigger, we added Reverb (by moving its slider right) and tweaked frequencies in the Equalizer settings (by clicking the pencil icon to open its settings). Toggle the track's solo button (headphones icon) on to hear the sound isolated or off to hear the full mix. Repeat with your other instruments.



We boosted some lower EQ frequencies to combat our horn track's obnoxious nasal tone.

7 Tailor Singing Sessions

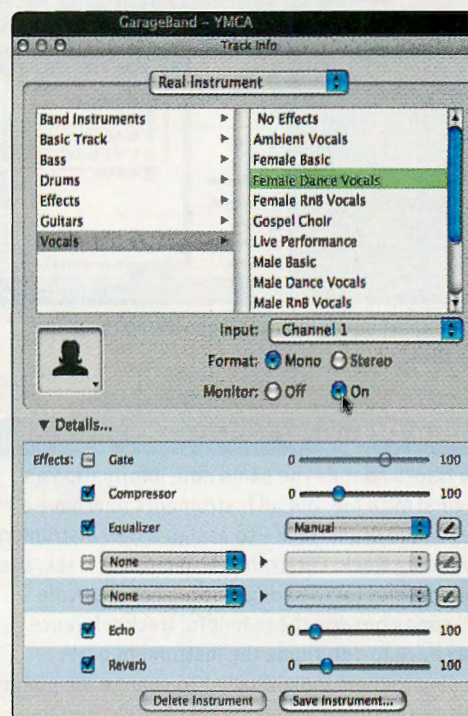
Once you've got the party started, just open any GarageBand project, change the Vocals instrument preset to match the singer's gender and song style, and let him or her loose. If anyone forgets how the melody goes, turn off the vocal guide track's muting and use the piano melody as a cue. If the song is out of a singer's vocal range, transpose the tracks; double-click each instrument track (except for drums) to open the editor, and move the Transpose slider left to lower the key or right to raise it. If you're cracking high notes or feel vocally strained, lower the key a couple of semitones. If the song dips below your comfort range, raise the key a couple of semitones. Be sure to set identical Transpose values for every track or else you'll throw everything off key. For some real fun, secretly press the record button while someone's singing.



We transposed our tracks up a couple of semitones to better fit our vocal range.

6 Sing a Song

Now for the real fun: Let's sing! First, mute the vocal guide track by clicking its speaker icon. Then plug your mic into your Mac (or use your Mac's built-in one). Click the add track button (plus sign) and in the resulting window, click the Real Instrument tab, then click Vocals, and select any of the presets in the right column. Turn Monitor to On, click OK, and save your project. Now crank up your Mac's speakers, click the go-to-beginning button (left-pointing arrow with vertical line), press play, and belt it out! Make sure you don't point your mic at your speakers or the feedback will make your dog, neighbors, and you cry. If you're using your Mac's built-in pinhole mic, futz with the volume until you find the point at which feedback stops. If you don't remember the words, you can find lyrics for just about any song on the Web—check out Lyrics.com. Now create GarageBand projects for all of your favorite songs, print out the accompanying lyrics, and throw a party.



Though they can't help you stay on pitch, GarageBand's vocal presets can make you sound better.

Party-Poopers—My Mac's Whacked!

It's no secret—GarageBand's Software Instrument tracks suck up *major* processing power. If you run into playback problems, export your GarageBand mix to iTunes, and then import that file into a new GarageBand project. You'll then have only one stereo-audio track to play back. Then just add a vocal track, choose a preset, save the project, and you're good to go.



The MacAddict staff had a good laugh when Rik Myslewski (aka Notorious EIC) and Young Intern Noah Tsutsui belted out Queen's "Bohemian Rhapsody" at our karaoke party—Kris Fong could be persuaded to hand over her video of the performance for the right price.

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Asus MyPal A620BT

A FAST AND WELL-CONNECTED FRIEND

Geeks and gearheads have a passion for high-performance machines, tweaking their gadgets in every way possible to squeeze out those extra nanoseconds. The folks at Asus, known for making excellent PC motherboards, share that passion and released the MyPal A620BT PDA to prove it. With its sizzling performance, bright screen, Bluetooth, and long battery life, you may want to make the MyPal your pal, too.

A quick look at the MyPal says nothing of the outstanding performer within. Its plastic casing has the familiar brushed-aluminum look of many Pocket PCs, but there are a few differences. The record button is on the top rather than the side, which makes it less likely to be accidentally punched

as you pull the device from your pocket. The other big difference is the CompactFlash slot. Newer Secure Digital slots are now much more

common and arguably better than CF, so it's surprising that Asus has gone with the older media type. The slot has a removable panel, so it can accommodate larger CF add-in modules.

The A620BT is thin and light, at just 4.9 x 3.2 x 0.5 inches and 5 ounces. Asus claims that it's the smallest and lightest PDA with a CF slot, but we found that it weighed the same as an HP iPaq h2200, which is smaller but thicker. At any rate, the Asus is compact and pocketable — particularly for a CF

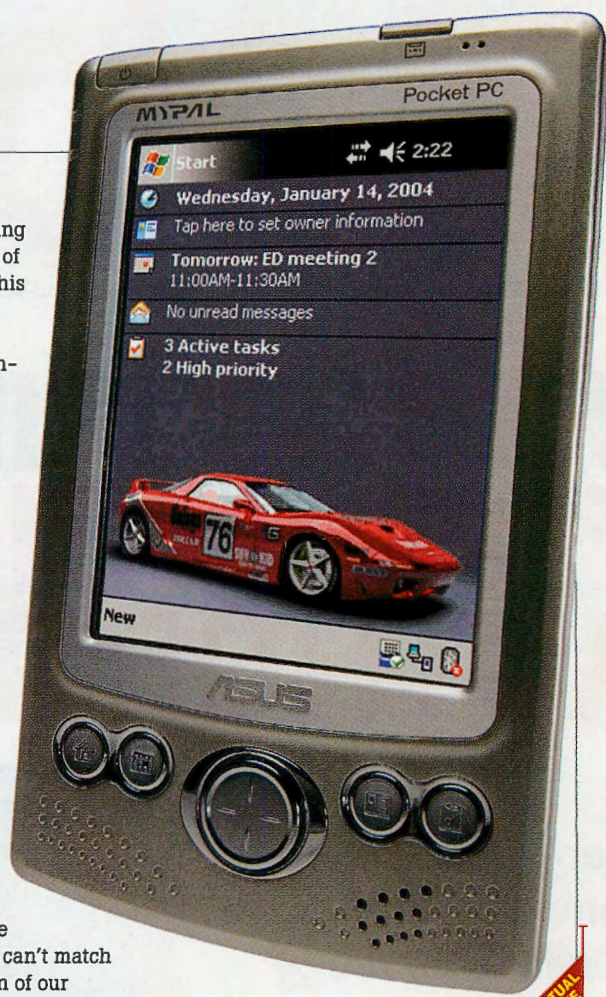
handheld. So if you're looking to maintain your collection of CF cards and peripherals, this is the PDA for you.

In most respects, the MyPal is a midrange to high-end Pocket PC. Its 400MHz Intel XScale PXA255 processor is near the top of the line, but its 64MB of RAM is average. However, it does have about 32MB of free nonvolatile flash memory for backing up your contacts database and other important data. While it can't boast high-speed Wi-Fi, the A620BT does have Bluetooth to differentiate it from lowlier Pocket PCs.

The MyPal is a true friend to the eyes and ears. The 320 x 240-pixel, transreflective TFT offers up the standard 65,536 colors, but it is quite bright and high contrast. It can't match the higher resolution screen of our favorite, the Toshiba e805, but it is just as bright and easy to read. And though the integrated speaker is weak, the unit sounds great with headphones on. At its maximum volume, music verges on painful, just as it should.

Asus ships two software discs with the device, but there's not really much on them. One has the typical set of Outlook 2002 and ActiveSync 3.7 and links to AvantGo. The other includes Pocket PC themes, some free software, and game downloads. Of these, the best are IA Presenter, IA Album, and IA Zip (a WinZip-compatible compression utility). The most memorable game is *Dung Cleaner*, a *Lode-Runner* clone in which you dig holes to evade your pursuers and collect, well, dung.

Showing off in our performance tests, the MyPal systematically bludgeoned the competition in our benchmark tests. With a record-setting Spb Benchmark score of 1,691, the Asus was yards ahead of its closest competitor, the HP iPaq h4150. Battery life was also excellent,



BEST FEATURE Record-breaking performance

WORST FEATURE CompactFlash slot instead of SD



A removable cover **1** offers easy access to the CompactFlash slot **2**.

though not the best we've seen. The unit played video for four hours and 20 minutes, and it lasted for another hour and 15 minutes after the video stopped. But that's still better than most Palm devices and many Pocket PCs.

The MyPal A620BT may not have the most extensive spec set in the world, but in the end it's all about the performance. Asus could have made this product wholly irresistible had it included an SD slot and Wi-Fi, but it's still a lot of PDA for \$399. —Roger Hibbert

Asus MyPal A620BT		\$399
Weight: 5 ounces	Size: 4.9 x 3.2 x 0.5 inches	
Specs: 400MHz XScale processor; 64MB of RAM; 64MB of ROM; 3.5-inch 320 x 240-pixel TFT; Bluetooth; CF slot; lithium-ion battery; Windows Mobile 2003		
www.asus.com		

PERFORMANCE

	WORST		BEST
Spb Benchmark	708	1,691	1,691
Battery life (hours)	2:16	5:35	12:07

Toshiba Satellite P15-S479

THE PORTABLE HOME THEATER

The Toshiba Satellite P25 is a 10-pound hulk of a computer, a 17-inch widescreen that impresses with its thoughtful design, modern styling, and serious under-the-hood specs. Think of the P15 as the junior-varsity version.

Weighing in at 8 pounds on the nose, the P15's only noticeable difference is a slightly smaller screen, at 15.4 inches. The other features of the P25 are there, only less space is wasted on either

side of the keyboard. All things considered, we'd rather have the slightly more compact version, which costs up to \$1,000 less.

The Satellite P15 is a real computing showpiece that instantly gets people talking. More graceful curves have never been seen on a notebook computer, and the P15's booming speakers, gorgeous screen, and impressive keyboard all back up its thoughtful design. Under the hood, the Satellite is no slouch; while gaming performance could stand to be improved, the obvious tradeoff for an older Nvidia graphics card was made to keep the price down (hitting an irresistible \$1,799).

More than just a notebook, the P15 is also a Windows Media Center PC, with a built-in TV tuner and remote control. As with all Media Center machines, this

notebook doubles as a TiVo-style video recorder — and believe us, video looks far better on the Toshiba's screen than it does on most traditional CRTs.

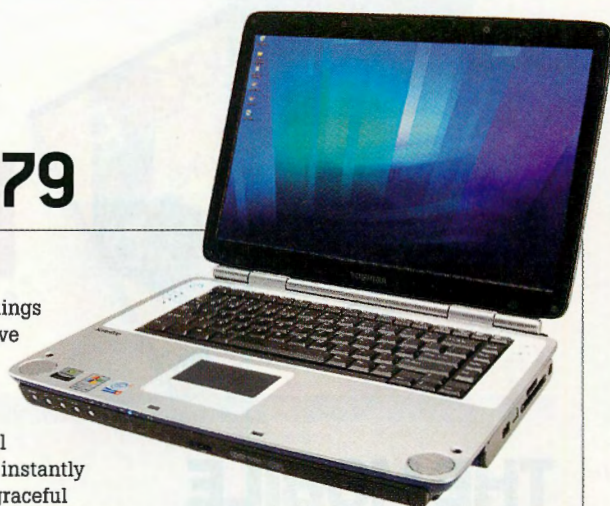
With two hours and 42 minutes of battery life, daredevils might even take a stab at lugging the P15 along on a trip. You may not be comfortable trying to open the notebook in coach, but if nothing else, you're sure to impress the pants off the guy in the seat next to you. —Christopher Null



BEST FEATURE

Outstanding audio and video experience

WORST FEATURE Gaming performance a little weak



PERFORMANCE

	WORST		BEST
Sysmark	78	179	218
Unreal	9.6	90.7	211.1
Battery	1:02	2:42	5:21

Toshiba Satellite P15-S479 **\$1,799**

Weight: 8.0 pounds **Size:** 13 x 10.8 x 1.2 inches

Specs: 2.8GHz Pentium 4; 64MB Nvidia GeForce FX Go5200; 512MB of RAM; 15.4-inch TFT; 60GB hard drive; CD-RW/DVD-RW/DVD-RAM drive; SD slot; 802.11g; Windows XP Media Center

www.toshiba.com

Motorola i730

BIG BROTHER'S FAVORITE CELL PHONE

The world has waited years for the development of e911, the location-based emergency service that promises to save lives through the cellular airwaves. And as it turns out, businesses may

get a little boost from the service, too. Offered by Nextel, Motorola's i730 iDEN phone features GPS tracking that may soon allow your company to

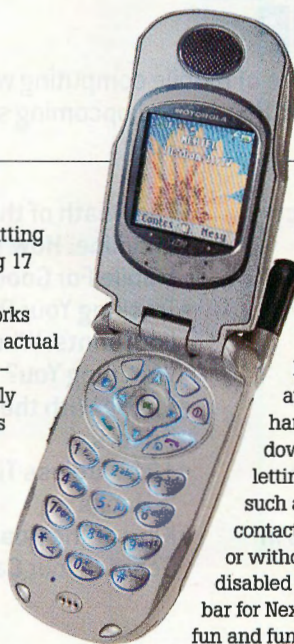
pinpoint your position to within 50 feet.

Nextel has offered walkie-talkie phones for years, and the i730 is the company's most advanced handset yet. With a 1.7-inch, 65,000-color screen and a large keypad, navigating the i730's menus is simpler than on most handsets. This is good, because the interface is more complicated than many conventional phones. Booting takes a

good 20 seconds, and shutting it down takes a dismaying 17 seconds.

Fortunately, the i730 works much more quickly during actual use. Establishing a walkie-talkie connection takes only a few seconds, even across thousands of miles. Data connections through the WAP browser are peppy, and the phone supports AOL mail and AOL Instant Messenger so that you can keep in touch with your buddies on the road.

Being a walkie-talkie phone, the i730 has an excellent speakerphone mode that sounded great — on both sides of the conversation — in our tests. It also supports voice-activated dialing and doubles as a voice recorder for logging short memos or capturing important conversations. But watch out:



with a talk time of 3 hours and 22 minutes, all these extra features may shut you down prematurely.

As difficult as it may be to convince your flight attendants, the i730 features a handy airplane mode that shuts down its wireless features while letting you access important things such as date book entries, memos, contact information, and games. With or without GPS tracking, which can be disabled for privacy, the i730 raises the bar for Nextel handsets and brings all the fun and functionality of an afterhours cell phone to the long-trusted Direct Connect network Nextel made famous.

—Robert Strohmeier



BEST FEATURE Zippy push-to-talk service

WORST FEATURE Extremely bulky for a flip phone

Motorola i730 **\$299**

Weight: 5.1 ounces **Size:** 3.6 x 2.0 x 1.1 inches

Specs: iDEN; Direct Connect; GPS; WAP; Java; speakerphone; voice dialing

www.nextel.com



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CONTEST RULES

Contestants can submit entries by uploading tracks to www.macaddict.com/GarageBandContest or www.guitarworld.com/GarageBandContest. Alternately, contestants can burn tracks or GarageBand projects to CD, and mail them to the addresses listed above. For the Pro Contest, songs lasting 1 minute or less must be submitted as an MP3 file. For the Amateur Contest, songs 1 minute or shorter must be submitted as an archived GarageBand project, using only unedited Apple Loops from Apple's GarageBand and GarageBand Jam Pack products.

Only one entry per contestant. Contestants can either the Pro or the Amateur Contest but not both.

The Pro Contest winner will receive M-Audio's FireWire 410, Studiophile BX5, Solaris, Oxygen 8, and Studio Pack, plus LaCie's 500GB Big Disk. The Amateur Contest winner will receive M-Audio's Mobile Pre USB, Studiophile LX4 2.1, Keystation 49e, and Luna, plus LaCie's 500GB Big Disk.

Entries will for the Pro Contest will be judged based on production quality (50%), originality (25%), and song construction (25%). Entries for the Amateur Contest will be judged based upon uniqueness (50%) and song construction (50%). Entries containing sampled music for which contestants do not own full copyright will be immediately disqualified.

No purchase necessary to win. Entries must be received no later than July 31, 2004. Future Network will not be responsible for late, lost, mutilated, illegible, incomplete, or misdirected entries. Contestants are required to submit only one entry to be eligible. Winners will be judged based on the criteria stated above. *MacAddict* editors, *Guitar World* editors, and Joe Satriani will be the sole judges and their decisions will be final. No minimum number of entries shall be required. Odds of winning will depend on the number of entries received. The total number of contestants likely to participate is not known.

The winner will be announced on or around January 2005 in *MacAddict* and *Guitar World* magazines. The winner will also be notified directly. The name of the winner may be obtained by sending a stamped, self-addressed envelope to Future Network, Inc., Attn: GarageBand Contest, 150 North Hill Drive, Brisbane, CA 94005. Prizes are nontransferable and no substitutions will be permitted.

This contest is open to residents of the United States only. Void where prohibited by law. Void in Arizona, Maryland, Vermont and Puerto Rico. The return of any prize notification as undeliverable will result in disqualification and an alternate winner will be selected. If the winner is a minor, the prize will be awarded to his or her parent or legal guardian. The winner may be required to sign an affidavit of eligibility/release of liability/prize acceptance within seven days of receipt of prize notification or forfeit his or her prize. By acceptance of the prize, the winner agrees to the use of his or her name and/or likeness for purposes of advertising, trade or promotion by Future Network without further compensation, unless prohibited by law. Employees of Future Network, LaCie, Peavey, Ibanez and M-Audio are not eligible to participate.

Entries will not be returned, and Future Network shall not be responsible for doing so.

If more than one person works on an entry, the person who submits the entry will be the "leader" of that group. Any and all prizes will be sent to that person, and he or she will determine the distribution of any and all prizes to the other members. Any disputes that arise over the distribution of said prizes will be resolved by the group involved. Neither Future Network nor any of its employees will be responsible for any conflicts, or act as mediator in such conflicts. If a conflict arises prior to end of the contest, Future Network reserves the right to disqualify that entry.

As a condition to be eligible to participate in the contest, the contestants hereby grant to Future Network an irrevocable, nonexclusive, worldwide, fully paid license to copy and distribute their entries, in whole or in part, and to use them for promotional and advertising purposes.

Future Network is not responsible for damages or expenses that the winner might incur as a result of this contest or receipt of a prize. The winner is responsible for income taxes based on the value of the prize received.

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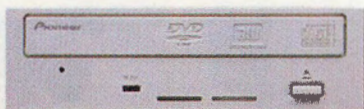
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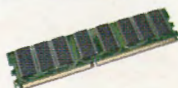
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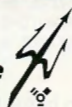
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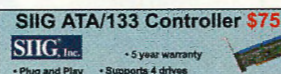
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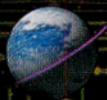
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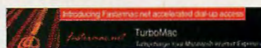
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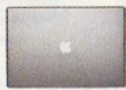
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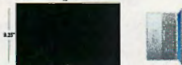
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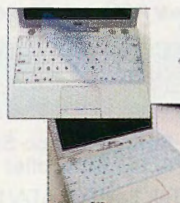


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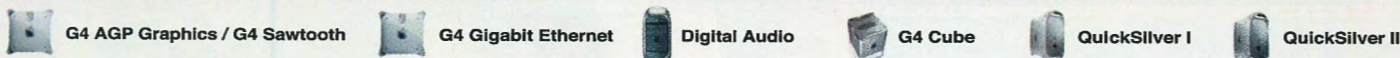
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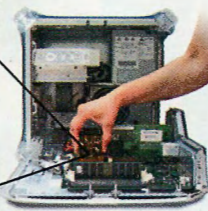
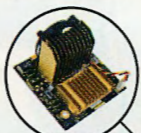
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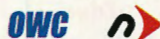
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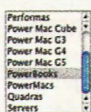
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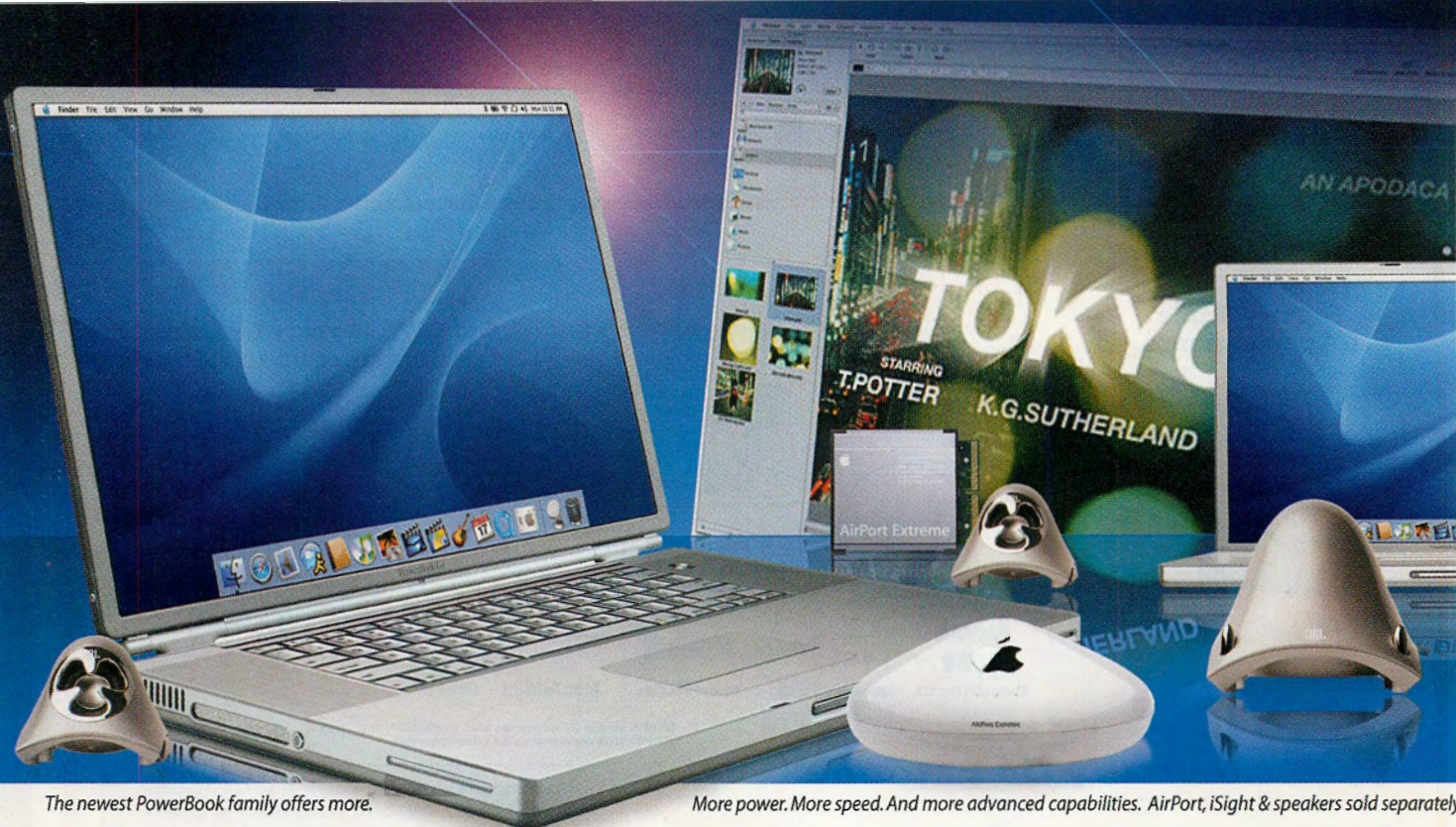
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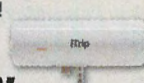
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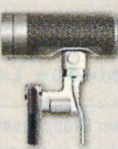
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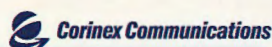
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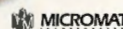
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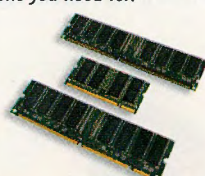
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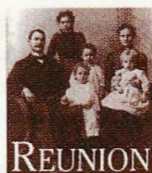
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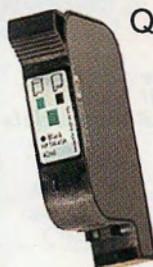
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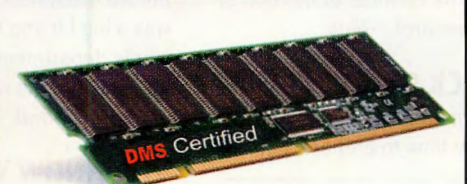
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BONO'S WILD RIDE?

Where did you find the budget to hire Bono? Seriously, the staff video, "Niko's Wild Ride," (Apr/04), has to be the most grueling test of Power Mac skateboards (not to mention Niko's thighs) ever devised. Freakin' awesome!
—Michael Freeman



Niko Coucouvanis:
MacAddict reviews editor and U2 stunt double.—Max

POD-TASTIC

Thanks so much for the how-to article "Replace an iPod Battery" (Apr/04, p54). It took less than 5 minutes to complete, and my first-generation 'Pod is running like new.
—Amy Weissenburger

MISMATCHED

"Be Your Own Band" (May/04, p30) was pretty cool. It's nice to see more music-and-Mac articles appearing in the magazine. Only thing is, in "The Match Game" sidebar (p33), you mistakenly labeled a 1/4-inch monophonic phono plug

jack, sometimes called a TS (tip-sleeve), as a TRS (tip-ring-sleeve). A TRS plug is a balanced or stereo plug. That's a different animal. Monophonic jacks will generally short a TRS plug to function like a TS or phono plug, but TS plugs won't work properly in a TRS jack.—Simon McCain

THERE ARE NO DUMB QUESTIONS

How is the Mac a better machine?—Jason
Glad you asked. No doubt more than a few Mac addicts have pledged allegiance to the Mac without ever knowing the answer to this fundamental question. So when facing a band of troublesome PC users, just say, "Macs are better because they're more stable, easier to use, more fun, more creative, and more powerful than comparable PCs when the specs are adjusted for inflation (ask us about the megahertz myth later)." Oh yeah, and like their users, Macs are better looking.—Max

WORLDWIDE APPEAL

My wife and I were recently in Thailand and were invited to a house dedication ceremony in Nakhon Si Thammarat (in the south). The online slide show of digital photos on our 12-inch PowerBook was a hit, as you can see.—Michael Babcock
Our guess is that they're really watching a DVD of *Harry Potter*



RECENTLY SIGHTED

I photographed this train car near the Iowa State University campus in Ames, Iowa.

—Lyne Neymeyer

That was our logo until January 2000—either that's an old train or some graffiti artist has a great memory.—Max



The 12-inch PowerBook draws a crowd in Thailand.

and the *Prisoner of Nakhon Si Thammarat*.—Max

STICK IT TO THE MAN

When I was laid off, I had some time to prepare. I burned

a single song onto a CD and used the AutoBlast prank from "6th Annual Prankfest" (Apr/04, p30) as my parting shot. The song? "Take This Job and Shove It" by Johnny Paycheck. About 10 days after my departure, when somebody finally booted up my old machine, the prank was a big hit and had the whole department cracking up (well, not the managers).
—Valerie Cudnik

YOU KNOW YOU'RE A MAC ADDICT WHEN...

You tell your unmotivated teenage kid to get an iLife.
—Andrew Brown

BUT WHERE'S MACKENZIE PHILLIPS?

Where would the World of Warcraft be without D. Schneider?
—Matthew Carlson

Survey Says

Here are the results of our March 2004 survey. Go to www.macaddict.com each month for a new online poll.

Do you frequent Apple retail stores?



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LOG OUT  95

And we thought Dwayne had no future after his TV career on *One Day at a Time*.—Max



D. Schneider's new getup—goodbye jeans, hello bathrobe.

NO ON TOPO!

Based on your recent review (Apr/04, p44), I purchased National Geographic's Topo State Series mapping software. In addition to the shortcomings your reviewer specified, the program doesn't import tracks from my Garmin GPS unit, and doesn't allow users to save tracks and waypoints to a map file. Labeling tracks is also impossible. Since it's the only topographical mapping software for the Mac, Topo is doubly disappointing.

—Peter Millard

TIME STILL MARCHING

In his May 2004 editorial "Time Marches On" (Apr/04, p6), Editor in Chief Rik Myslewski invited readers to write in about the technologies they missed. Here's what some of you remembered:

The Hectograph

The hectograph was a duplicator that used a jelly-like sheet made from pouring Knox Gelatin and glycerin into a cookie pan. As young students in the thirties, we used to let small bits of the jelly dissolve in our mouths—we thought it tasted great.

—Norah Thompson

Calvin & Hobbes

I must take issue with [Rik

FIND THAT LAPTOP STAND

I can't find a few laptop stands mentioned in "Prop Up Your 'Book," (Get Info, May/04, p13). What's up?—Mal Mots

A couple of bad captions and URLs FUBARed this article, so here's the correct info, from top to bottom (below): Road Tools PodiumPad (\$29.95, www.roadtools.com), MacMice's iBreeze (\$29.99, www.macmice.com), and MacMice's GBreeze (\$49.99). As of press time, MacMice has discontinued selling the GBreeze but had limited quantities left. Call the company at 615-822-9270 to check for availability.—Max



PodiumPad



iBreeze



GBreeze

Myslewski's] inclusion of one item on his list of obsolete products: Calvin & Hobbes. They may be gone, but they're certainly not forgotten.

—Dave Vick

Western Electric Rotary Dial Phones

All of them had the warning, "Bell System property, not for sale," printed on the bottom.

—Bruce B.

WIN!



PHOTOGRAPH COURTESY OF CANON

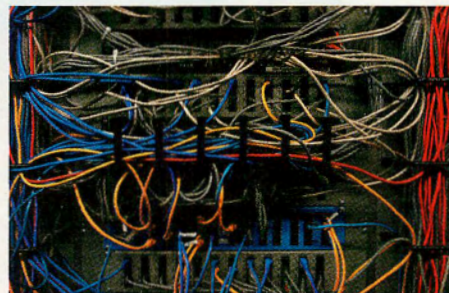
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Write a caption for this picture.

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Full Name: _____

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Send snail-mail entries to: Canon Contest, MacAddict magazine, 150 North Hill Dr., Brisbane, CA 94005.

Send email entries to: contest@macaddict.com with the subject Canon Contest

Deadline for entry: July 31, 2004.

Contest results will appear in our Nov/04 issue.

Contest Rules The judges will be MacAddict editors and will base their decision on 33 percent humor, 33 percent originality, and 33 percent creativity. All entries must be received no later than July 31, 2004, with the winner announced around November 2004. By entering this contest, you agree that Future Network USA may use your name, likeness, and Web site for promotional purposes without further payment. All prizes will be awarded, and no minimum number of entries is required. Prizes won by minors will be awarded to their parents or legal guardians. Future Network USA is not responsible for damages or expenses the winners might incur as a result of this contest or the receipt of a prize, and winners are responsible for income taxes based on the value of the prize received. A list of winners may also be obtained by sending a stamped, self-addressed envelope to Future Network USA c/o MacAddict Contest, 150 North Hill Dr., Brisbane, CA 94005. This contest is limited to residents of the United States. No purchase necessary, void in Arizona, Maryland, Vermont, Puerto Rico, and where prohibited by law.

Winner!

Congratulations to Austin Maurer, whose caption won two MacSoft games: Halo (\$49.99, www.macsoftgames.com) and Unreal Tournament (\$39.99).



No, you're fired, Mr. Trump!!

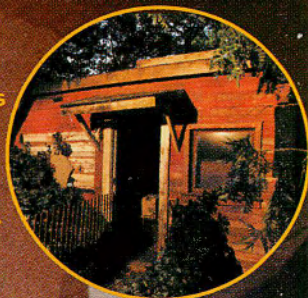
survivalist mac

DREAM MACHINES continued from p35

total cost: **\$93.18**

Not everyone is on the grid; some prefer to go it alone. Not everyone lusts after the new, the cool, the stylish, the powerful; some prefer the simple; the reliable, the versatile, the utilitarian. Not everyone wants to chase success; some prefer to simply ensure survival. For these visionary—if somewhat twisted—souls, we present the Survivalist Mac.

Not all great ideas are hatched in fancy-schmancy Washington D.C. think-tanks.



SYSTEM

① Apple Macintosh Classic II, \$50

If you only need to write your manifesto, and not sissify it with color photos, an 8MHz 68000 is plenty potent.

ACCELERATOR

② Crusinello Coffee Pot, \$9.99

The true survivalist understands the needs for speed—and industrial-strength caffeine trumps any G4 upgrade.

SECURITY SYSTEM

③ Staffordshire Terrier, priceless

Trojan horses? Feds? Pee wee here'll keep 'em at bay.

ERGONOMIC WORKSTATION

④ Rehrig Pacific 16-Quart Milk Crate, liberated from supermarket in town

There's nothing quite as practical as a milk bin laden with an equipment-topped slab-o-pine.

BACKUP SYSTEM

⑤ Underwood Noiseless Typewriter, \$30

If—that is, *when*—the power goes out, this 1930s beauty will keep the manifesto flowing.

MAINTENANCE WETWARE

⑥ Calpis Water, \$3.19

Need to keep all bio-based systems functioning with regularity? Stock up on this fermented-lactobacilli beverage.

BATTLEFIELD

1942

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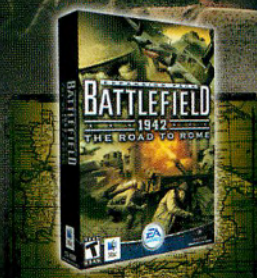
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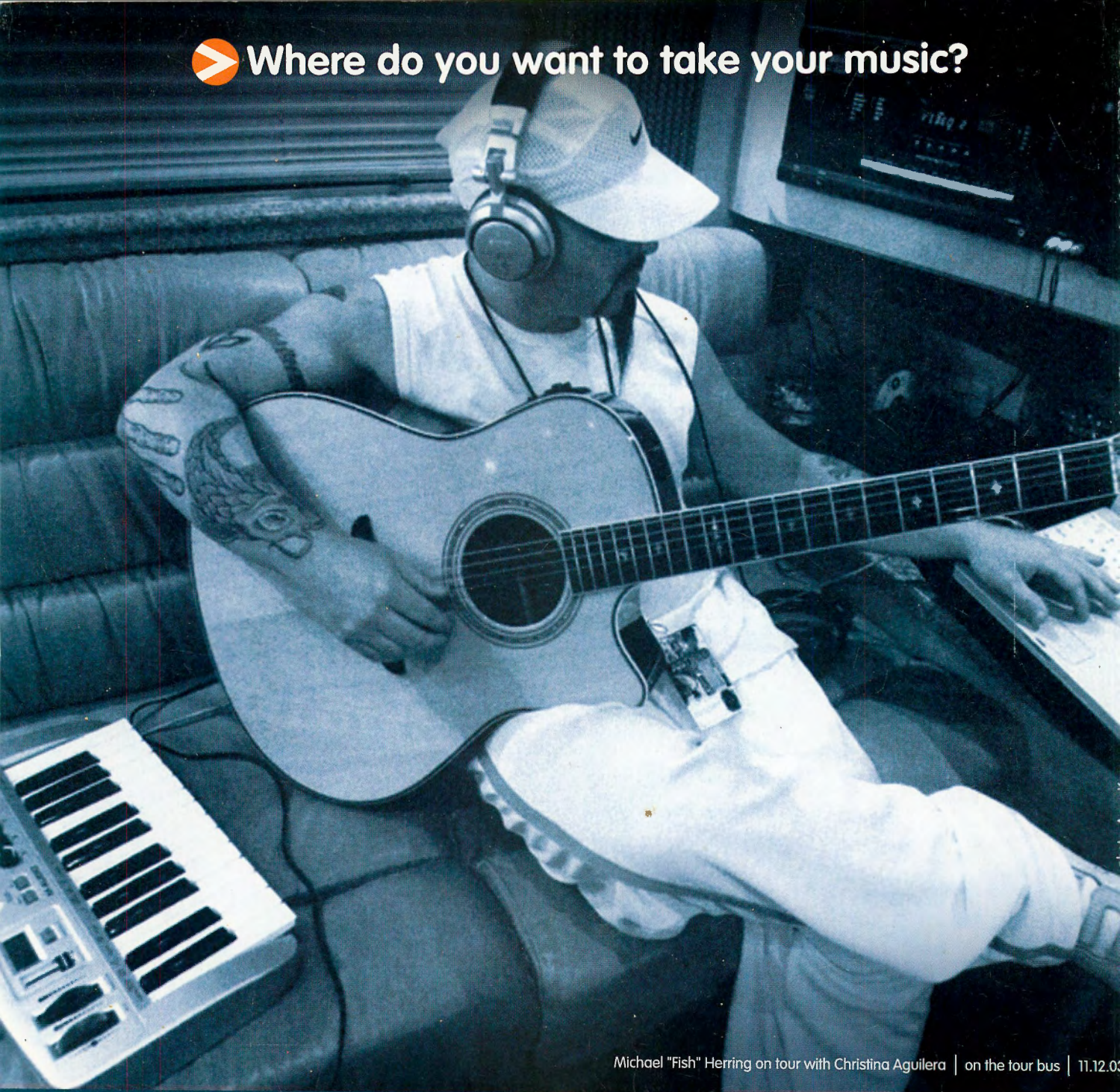
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Michael "Fish" Herring on tour with Christina Aguilera | on the tour bus | 11.12.03



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MobilePre USB
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Keystation 49e
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